## CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3067 VOL. CXXIX

**NOVEMBER 19, 1938** 

Annual Subscription (with Diary) 20/-. Single Copies 9d.

Another scientific achievement in medical bottle production



Telephone: Gerrard 8611 (10 lines)
Telegrams: Unglabaman, Lesquare, Landan

The New perfected Cap

At last the strong preference for a Medical bottle with a White moulded cap has been achieved by U.G.B. The cost obstacle has been overcome and U.G.B. technicians have produced a Medical bottle with a perfected White cap manufactured from Urea Powder—tasteless and odourless—fitted composition Cork Liners Resistol faced.

The Cork-Mouth and White Enamelled Aluminium Screw Cap Washed and Sterilized services are unchanged.

## United Glass Bottle

8 LEICESTER STREET, W.C.2

The Largest Manufacturers of Glass Bottles in Eurape



## DELIGHT

hy do people buy a superior soap?

Ordinary soaps serve quite as well for all practical purposes. The reason is that only a superior soap—such as Guerlain's—delights.

It delights because every fragrance of Guerlain is exquisite — and lasting — each cake is specially shaped to fit the hand — while the lather, owing to the special ingredients, is immediate, cleansing and silky-smooth.

Guerlain has been making soap for over a century. It's simple as ABC that a century-old demand means regular sales for you.



Makes chapped

hands soft, white v

comfortable.

## NOW is the time

# to make good profits on Glymiel Jelly

There's a big trade to be done in Glymiel Jelly this winter—be sure you get your full share.

Make strong counter and window displays and so link up with the forceful Glymiel press advertising and the popular Broadeast Programmes that are making an ever-widening circle of regular Glymiel users.

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These striking, richly - coloured display pieces and showcards are at your service FREE—send for a selection now!

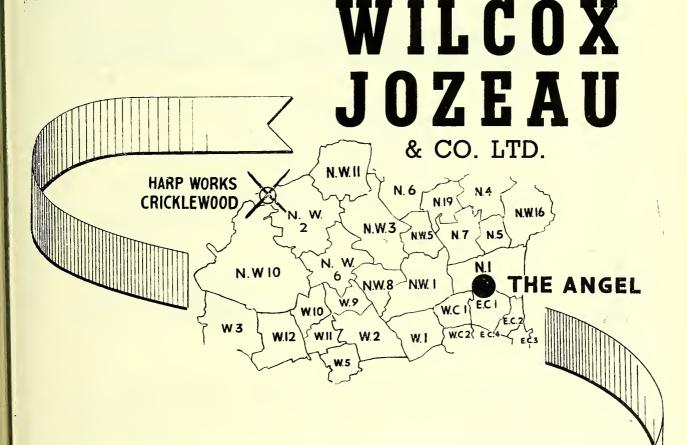
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## A STRATEGIC MOVE

On and after 22nd Nov., 1938

We announce to the Trade that our Offices, Warehouses and Laboratories will be removed to more convenient and centrally placed premises



WHITE LION ST. LONDON, N.1

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### TINCTURES RESINOIDS **OLEO-RESINS MEDICINAL RESINS**

ALOIN, CASCARIN, ERGOTIN, CAPSICIN, GINGERIN

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> EXTRACTS OF ERGOT, CASCARA, LIQUORICE, IPECACUANHA

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#### WILLIAM RANSOM & SON

ESTABLISHED 1346

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Manufacturing Chemists

HITCHIN near LONDON

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BRAND'S in your shop

You are too busy to keep an eye on every potential customer to enter or linger by your shop. That is why the new display and sales promotion material has been planned Brand's Essence constant.

Build up really

Brand's Essence constantly before your public.
Build up really compelling window displays with these attractive units, which are in natural colours. Focus customers' attention at the most important point of all—your counter. Take every opportunity to create record sales from the widely spread National advertising of Brand's Essence. Let BRAND'S window and counter salesmen work in your shop. The coupon below will bring you supplies FREE OF COST.

The Display Unit is in natural colour and is quite ready for use without assembling. It incorporates six dummy cartons of Brand's Essence, thus avoiding stacking and soiling your own stock. There are also three gaily COLOURED SHOWCARDS which hang or stand; and a set of FOUR CROWNERS for Brand's Essence cartons.

POST	THIS	COUPON	NOW
Please	send me	at once, and	free of

charge, display material as under.
.....three-dimensional Display Stand(s)
......Set(s) of coloured Showcards.

..Set(s) of coloured Showcards. ..Set(s) of Crowners for Brand's Essence Cartons.

Name	•••
Address	

BRAND & CO. LTD., Mayfair Works, Vauxhall, London, S.W.8



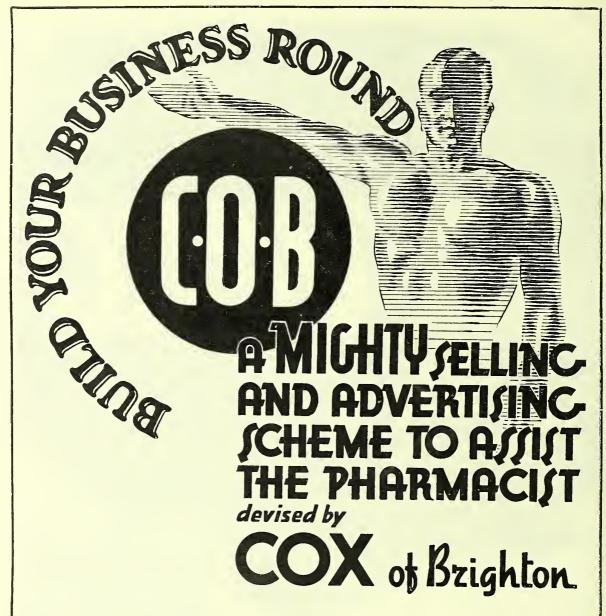
# A name that makes news

Urgent news for VENO stockists! Sales of Venos Cough Cure and Phensic for Colds and 'Flu are approaching record heights. During the treacherous winter months more and more people will be looking to these famous lines for protection against winter ailments. Widespread advertising has been heavily increased...keep well stocked and be ready for rising demand. Don't forget to keep up to date with show material; drop us a card now, while you're thinking of it, for our new and attractive designs.

- VENDS COUGH CURE
- Dr. CASSELL'S TABLETS
- \* GERMOLENE OINTMENT
- \* PHENSIC BRAND

VENO DRUG CO. LTD.

CHESTER ROAD · MANCHESTER · 16



C.O.B PACKAGING

An outstanding method of packing "OWN NAME" pharmaceutical products in modern and uniform style, which brings repeat business and establishes goodwill.

C.O.B ADVERTISING

A sales creating movement which includes schemes of direct advertising, and facilities for special displays to increase the sale of "OWN NAME" products.

write NOW for full details to -

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# MAKE MORE MONEY "MACS"!



### ★BONUS TERMS

We would remind our customers that bonus terms of 14-to-the-dozen are only available to those who buy direct from us. Minimum quantity to qualify for bonus 1 dozen per size.

PRICES

Retail 6d. 4/9 per doz.

" 1/- 9/6 " "

'Phone: Ealing 6616

Telegrams: Macleans, Brentford The famous Maclean bonus terms of 14-TO-THE-DOZEN, which have now been applied to "Macs," put this line right into the money-making class. The new terms give you a profit of nearly 33% on turnover. The new advertising in 26 powerful newspapers assures you a steady stream of customers. Over 10,000,000 families are reading "Macs" advertisements every week throughout the Winter. Put in a window display now and link up with this publicity. "Macs" are for Chemists only.

MACLEANS LTD., GREAT WEST RD., BRENTFORD, MIDDX

## WARNING

#### PRICE-CUTTING

MESSRS. COTY (ENGLAND) LIMITED give notice to the trade that they will rigorously pursue any misuse of their registered trade marks.

By an Order of the High Court of Justice (Chancery Division) dated the 25th day of October, 1938, MESSRS. CHAS. & C. FOX LIMITED were restrained from infringing five of the registered Trade Marks of MESSRS. COTY (ENGLAND) LIMITED and were ordered to deliver up the material in their possession with payment of costs and damages. Genuine "COTY" goods are supplied to the trade only upon the condition that the authorised retail selling prices are not departed from in any manner whatsoever.

## IT STANDS TO REASON



When a quality product costs no more than the commonplace, discriminating men are quick to change.

The reason why each month's sales of Nufix tops each preceding month.

The reason why it always pays to display



WALDEN & CO. (NUFIX), LTD., NUFIX WORKS, LONDON, N.W.9

# Christmas Time is Perfume Time! New CENTRATED ADVERTISING

CONCENTRATED ADVI

Nov. 18 To Dec. 18



THE PERFUME OF THE YEAR

Our great effort to stimulate Autumn Crocus Sales for Christmas commences Nov. 18 and continues throughout the great gift buying period. There is large space advertising in newspapers all over the country, Daily Mirror, Daily Sketch, Daily Herald, Sunday Graphic, etc., also provincial press—the appeal will be seen by millions.

Most chemists are familiar with Autumn Crocus, for it is the perfume which caused such a sensation. Its high quality, lasting properties, attractive pack and low price have proved it a good selling line.

Obtainable from your usual wholesaler

#### SOLE DISTRIBUTORS

W. SUTTON & CO., LONDON, LTD. 76, 77, 78 CHISWELL ST., LONDON, E.C.1

NEWBERRY & PHILLIPS, LIMITED 31 BANNER STREET, LONDON, E.C.1

(Six Northern Counties, Scotland and N. Ireland)

Manufacturers:

LAMBELLE LIMITED
40 STATION ROAD, REDHILL, SURREY



#### TRADE TERMS

Autumn Crocus Perfume

1/3 size - - 10/- per doz.

3/- ,, - - 24/- ,, 5/- ,, - - 40/- ,,

SPECIAL XMAS BONUS

£2 parcel - Bonus 3 1/3 size
All less 5% display allowance

"UTILITY" BOX

Retail Price 2/6 Complete





The public to-day are exercise-conscious. And there's one special exercise they know they must do—HALEXERCISE, the Halex toothbrush exercise. In the national newspapers and big popular magazines, we go on telling them to Halexercise in bold, eye-catching advertisements. To do Halexercise they need a Halex toothbrush—so Hålexercise for them means big Halex sales for you!

## HEAVIER ADVERTISING TO HELP YOUR HALEX SALES

**NEWSPAPERS:** The Daily Mirror and the Daily Sketch are the latest additions to the Halex list.

MAGAZINES: Radio Times, Passing Show, Woman a long list of other magazines chosen for their enormous circulation!

IT'S DOING GREAT THINGS
FOR YOUR SALES OF

### HALEX TOOTHBRUSHES

ORDER FROM YOUR WHOLESALER OR FROM The British Xylonite Company Ltd · Hale End, E.4

## ROWLAND'S MACASSAR OIL



FOR ALL SHADES

OF HAIR

IT PROMOTES THE

GROWTH, GIVES

LIFE AND LUSTRE

AND LONG DE
LAYS BALDNESS.

Regd, Trade Mark

#### A. ROWLAND & SONS, Ltd.

22 Laystall Street, Rosebery Avenue London, E.C.1





FLEET WORKS, QUEEN'S ROAD, SHEFFIELD, 2

## NEWS FROM

## Popular Coty Avocado Beauty Milk Now in 2/6 size

There has been a steadily increasing sale for Coty's Avocado Beauty Milk. Women are learning the importance of thorough pore cleansing, and learning how effectively Coty Avocado does the job. And women in the higher income groups have been buying Avocado in rapidly increasing numbers. But — as you may have found yourself — others who were anxious to try Avocado have not done so because there has been nothing cheaper than the 4/6 size.

Now, in response to dealers' requests, Coty have made it easy for every woman to try Avocado Beauty Milk by offering a half size bottle at 2/6. Once your customers have bought this size as a trial bottle, repeat orders will come easily for the larger size. Women who use the larger size will also buy the small size for travelling.

#### A Note on Lipstick

"Cerise" is Coty's new lipstick shade, specially planned to harmonise with the fashionable Autumn shades of purple and cyclamen. It sells in Gitane model at 2/6 and in Continentale at 3/6.



THIS IS THE EXACT SIZE OF THE NEW LINE

AVOCADO

Beauty Milk
in 2<sup>1</sup>6 size

ORDER NOW
WE THINK THIS WILL
BE ONE OF THE
SEASON'S WINNERS

COTY (ENGLAND) LIMITED, 3 STRATFORD PLACE, W.1



THE

## MONO LINER

**MAKES A COMPLETE CLOSURE!** 

If you have been having trouble with inefficient closure of your marketed goods, do not blame the cap. What about the Liner Paper? No single paper is a cure-all; what is suitable for one product may be utterly inadequate for another. Therefore a Liner Paper manufactured to meet specific individual conditions is often more than advisable.

OUR RESEARCH ORGANISATION, OUR MODERN FACILITIES FOR TURNING OUT PAPERS EXACTLY SUITED TO DEFINITE NEEDS—THESE ARE AT YOUR SERVICE ECONOMICALLY.

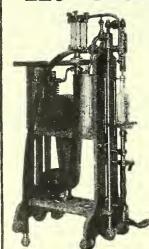
Write particulars of your requirements to:

## MONO CONTAINERS

PARK ROYAL, LONDON, N.W.10. WILLESDEN 0900 (8 LINES)

#### **ROBERTS' PATENT**

### "LEO" VACUUM FILLER



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart long, short or sprinkler neck.

Clean and Rapid No Over Filling Broken Bottles Rejected Easy to Clean Self Rinsing

WRITE FOR PARTICULARS

## Roberts' Patent Filling Machine

33 Roundcroft Street, Bolton, Lancashire

Makers of every description of Bottle Filling and Shallow far and Tin Filling Machine for the Chemists' use ALL RIGHTS RESERVED

#### JACKSON-CROCKATT

PATENT

#### PACKING MACHINES

FOR ALL POWDER MATERIALS
Various types for Powders and Plastics



"JUNIOR 45" PACKING MACHINE with washable stainless steel hopper. Quickly dismantled for cleaning.

For Packing—To uniform density, Face Powder, Toilet Powder, Maclean's Powder, Magnesia, Curry Powder, etc.

Self-Contained Motor Drive

J. G. JACKSON & CROCKATT Ltd.

Engineers, DARNLEY STREET, GLASGOW, 8.1





## Our Kmas Gift Display

For your Xmas Gift requirements, either personal or for resale, we have an extensive display of most seasonable gift items.

You are cordially invited to visit our Showrooms to inspect the large and well-varied range of Perfumes (the latest and most popular makes), Coffrets, Clocks, Brush Sets, Manicure Sets, Sprays, Ladies' Hand Bags, Cut Glass, Pottery Ware: Enamel, Ebony, Pewter, Shell and Silver Goods; Cameras, etc.

## WOOLLEY'S

Early attendance is advisable, as many of the items cannot be repeated

JAMES WOOLLEY SONS & CO., LTD., Victoria Bridge, MANCHESTER, 3

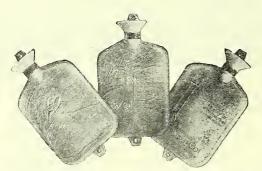
## Reliance SPECIAL XMAS PACKS



No. XI. Handled seamless bottle in cellophane Xmas bag, complete with greeting card. Packed in gift box ready for post.

RETAIL 3/9

TRADE 2/6 EACH



No. 922. "COSY COT" little people's moulded bottle in pastels. Packed cellophane fronted printed bag. TRADE 1/4 EACH RETAIL 1/11

Orders and enquiries to factory:-

RELIANCE RUBBER (O. LTD.

CREMORNE WORKS, LOTS RD., S.W.10

#### WILLIAM MATHER, LIMITED

DYER STREET, MANCHESTER.

(Established 1826)



ZINC OXIDE and RUBBER ADHESIVE PLAISTER ON SPOOLS

POROUS PLAISTERS. **ELASTIC PLAISTER BANDAGES** ANTISEPTIC PLAISTER DRESSINGS, "CROCUS" CORN COMFORT, Etc.

## Introducing-' PROPHICS

A latex contraceptive of exceptional quality that you can handle, sell and recommend with confidence.





WRITE AT ONCE TO

Also the Standard Model in attractive leather case retailing at

REMINGTON CLOSE-SHAVER, Ltd. £3.7.6

100 Gracechurch Street, London, E.C. 3

(Phone: Mansion House 3333)

and showing a clear profit of £1:2:6 on every sale



## Assure your Eustomer's Gratitude.

IT WILL INCREASE YOUR TURNOVER!

The customers to whom you recommend a quality product will highly appreciate your business act. In the point of the satisfied and you will gain from the fact that they will come and ask your advice at your proportion of the product will be satisfied and you will gain from the fact that they will come and ask your advice at your proportion of the proportion of the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will be satisfied and you will gain from the fact that they will come and ask your advice at your product will be product. In the product will highly appreciate your business act. In the product will highly appreciate your business act. In the product will be product will highly appreciate your business act. In the product will be p

"Offer a D'ORSAY Perfume and make a bewitching present which is a papereciated." You may safely give this advice to your customers by Christmas Gifts. Furthermore for those who do not wish to spend so by you may suggest the new modern pack "CAMEO"— a most elegant flac a well-made case. The following perfumes will be found in the Cameo se second contents."



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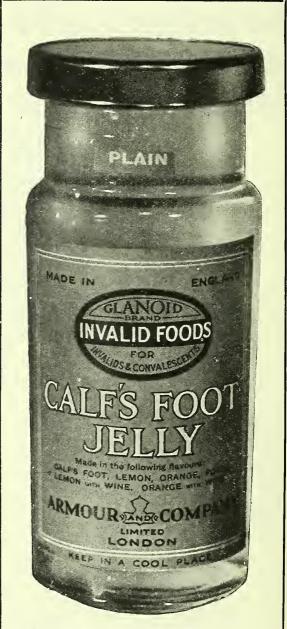
## BENEFITS OF THE ENO ACQUISITION

An extraordinary general meeting of Beechams Pills Limited was held on November 10, at Hotel Victoria, London, W.C., to consider a resolution increasing the capital.

Mr. Philip E. Hill (the chairman), who presided, said:—The purpose of today's meeting is to increase the capital of this company by the creation of 4,000,000 deferred shares of 28. 6d. each, of which 2,500,000 are required for the purpose of exchange for the 4,000,000 5s. ordinary shares of Eno Proprietaries Limited. The remaining 1,500,000 deferred shares will remain unissued but will be available should any fresh developments arise. Your directors have no intention of issuing these shares at present. My colleagues and I are very satisfied with the terms of the acquisition of Enos and I am confident that we shall benefit materially through Enos connexions overseas and also from the economies which we are now effecting through the close working association now being established. The immediate benefit of the transaction will be considerable and the ultimate result should satisfy us all.

I should like to take advantage of this opportunity to say something with regard to the current year's trading. We could not, of course, expect entirely to escape the inevitable effect of the crisis upon the country's trade, particularly overseas, but we have suffered probably less than the majority of traders. Business is now definitely on the upgrade and we shall, I am sure, all be satisfied with the result of the year's trading and the dividend you will receive when the company's financial year ends. Talking of dividends, you will, of course, receive your second interim dividend in time to do your Christmas shopping.

The resolution was unanimously approved.



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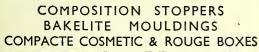
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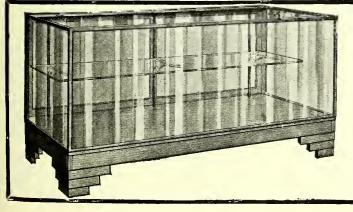
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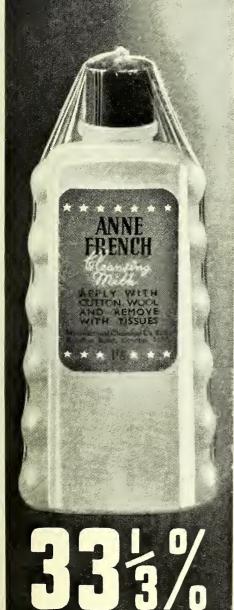
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- RADIO: DAILY BROADCASTS from RADIO NORMANDY at 8.40 a.m. featuring "Message from the Stars" is arousing the interest of thousands of listeners who are advised to obtain supplies from LOCAL CHEMISTS. Also three programmes a week from Radio Luxemburg will begin last week in December.
- PRESS: Women's magazines will carry large-space advertisements during December. 50,000 sample bottles of ANNE FRENCH CLEANSING MILK have been distributed direct to the public through the media of the National and Women's Press. Urgent enquiries are received daily for NAMES OF CHEMISTS who stock this preparation. Make sure of obtaining your share of the EXTRA BUSINESS by ordering supplies from your Wholesaler or direct from us.

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### News of the Week

#### **Business** Changes

Mr. Lionel Rutherford, M.P.S., is taking over the business of Mr. F. R. Padley, M.P.S., Market Place, Wooler.

The partnership between Mr. J. Sharp, Ph.C., and Mr. W. Christie, M.P.S. (trading as John Robson, 26 Scotch Street, Carlisle), has been dissolved.

WILCOX, JOZEAU & Co., LTD., announce that the address of their offices, warehouse and laboratories from November 22 will be 74-77 White Lion Street, London, N.I. Telephone: Terminus 3088.

#### Proprietary Articles Trade Association

Additions to protected list.—Luft-Tangee (London),

Ltd., Tangee rouge compact, 1s. 9d., 14s. doz.; the tangee rouge refills retailing at 2s. 6d. are being discontinued.

ALTERATION.—Musterole Fine Products Co., Ltd. (distributors, Thomas Christy & Co., Ltd.). Retail chemists who undertake to give window or counter displays of not less than fourteen days will receive bonus of one extra pot free on orders of each complete dozen Musterole brand mustard ointment; this offer will be withdrawn on December 31, 1938.

#### Bath

STUDENTS' DANCE.—Bath pharmacy students held their annual dance at the Pump Room on November 10. Arrangements were in the hands of the students' committee under the chairmanship of Mr. B. Olive.

INVESTITURE AND PRESENTATION.—On November 10 the new chairman of the Branch of the Pharmaceutical Society
was installed for the ensuing twelve months. Mr. D. J.
Williams P. C. Bl. C. Williams, B.Sc., Ph.C., in returning thanks, expressed a desire for the promotion of a new pharmacy Bill to bring all dispensing under the ægis of the pharmacist. Thanks to the retiring chairman (Mr. W. J. Hallett) were proposed by Mr. Arthur Wilson and seconded by Mr. C. H. James. Advantage was taken of the pharmacy students' dance at the Pump Room for the investiture of Mr. Williams with the presidential badge of effective proposed. dential badge of office, a room being set apart for the purpose. At the same function Mr. W. J. Hallett, on relinquishing the local secretaryship of the National Pharmaceutical Union, was presented, on behalf of the Branch, with a fitted writing case; the presentation was made by Mr. E. C. Haskins, who is taking over the secretaryship in Mr. Hallett's place. Mrs. Hallett received a box of chocolates.

#### Beckenham

WEST KENT CHEMISTS' DINNER.—The annual dinner of the West Kent Chemists' Association attracted chemists from as far afield as Bromley, Chislehurst, Orpington and Sevenoaks. The guests, who included the Mayor and Mayoress of Beckenham, Mr. Thomas Guthrie (president, Pharmaceutical Society),

Mr. J. E. French (secretary, Kent Pharmaceutical Committee), Mrs. J. K. Irvine, M.B.E. (superintendent, South-Eastern Pricing Bureau), and Mr. H. R. Edgcombe (president, South-Western Chemists' Association) were received by Mr. D. A. Rees, Beckenham (president), and Mrs. Rees. Mr. Wallace Pring, Bromley (joint secretary), presented a bouquet of carnations to Mrs. Rees. Proposing "The Pharmaceutical Society," Mr. French urged that the Council should do something about the question of Air-Raid Precautions; chemists did not want a repetition of the model of the product of the the muddle that occurred in the Great War when qualified chemists were taken and unqualified men put in their place. Replying, Mr. Guthrie said he agreed that everyone had been "pretty much caught out" regarding A.R.P., but he did not think that blame could fairly be attached to the Council, because they had to act in conjunction with bodies above them. He hoped in the next few weeks to be able to announce the fuller and proper schemes for which they were all waiting. "The West Kent Chemists' Association" was submitted by the Mayor and Mr. Rees (president) replied. "The Visitors" was proposed by Mr. E. G. Price (past-president), Mrs. Irvine responding. Mr. Peter Irvine entertained the company during dinner. Mr. C. R. Stanyon (treasurer) was toastmaster and Mr. Price was M.C. for the dancing which followed.

Birmingham

RECORD NUMBER OF EXAMINATION SUCCESSES.—At the prize distribution of the Birmingham Central Technical College on November 14 Mr. D. S. Anderson (principal) stated that in the Department of Pharmacy the enrolments for the session constituted a record, and the successes in the examination of the Pharmaceutical Society were above the average for the country as a whole. The figures were: Pharmaceutical Chemist qualification, four; Chemist and Druggist qualification, fifty-two; Bachelor of Pharmacy degree, four.

Derby

Annual meeting.—At the annual meeting of the Derby Branch of the Pharmaceutical Society, on November 2, Mr. S. Taylor, who presided, reviewed the year's work and appealed for better attendance. He congratulated the secretary (Mr. Cyril Weston) on his election as a member of Derby Town Council. New officers were elected as follows: Chairman, Mr. T. G. Brander: Vica Chairman, Mr. T. G. Brander: Sacra-Mr. E. E. Bowler; Vice-Chairman, Mr. T. G. Bramley; Secretary, Mr. J. Clayton Smith; Assistant Secretary, Mr. Roberts; Treasurer, Mr. C. Daykin Turner; Auditor, Mr. Philip Toy;

Committee, Messrs. S. Taylor, P. Toy, C. H. Watson, Hickson, A. Scragg and J. Brimms. A lantern lecture on "The Trend of Modern Medicine," by Mr. Bacharach (Glaxo Laboratories, Ltd.) followed.

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#### Ealing

Address on Society's New Building.—Mr. J. E. Goodall presided over a meeting at Ealing of the West Middlesex Chemists' Association on October 25, when Mr. A. R. Melhuish (a past president of the Pharmaceutical Society) gave an address on "The Pharmaceutical Society's New Building." Dealing first with the history of the Society, he stated that on April 15, 1841, a committee decided to take rooms at 17 Bloomsbury Square, London, as an office. The speaker showed that as the Society grew more accommodation had to be obtained until, in 1858, the whole of No. 17 was occupied. In 1889 No. 16 was added, after large alterations and additions to the two buildings, and now, despite enormous developments of the Society's work, there was no more room than in 1890. For some years the Council had considered the congestion to be serious, although every possible effort had been made to diminish it. The procedure leading to the acquisition of the Brunswick Square site was described, and particulars of cost, upkeep and further expansion given. Members need not fear the possibility of increases in the fees now paid. There was a prospect of receiving help from outside towards special expenditure, and the Council felt that members generally would like to help in this by enthusiasm and practical support. It was expected that the centenary of the Society in 1941 would be marked by the opening of the new headquarters. After questions by the chairman and Messrs. H. G. Kirby, W. Coutts-Evans, F. H. Mylroi and G. C. Duncan, a vote of thanks to Mr. Melhuish was proposed by Mr. F. Browne, seconded by Mr. F. H. Mylroi and supported by Mr. F. G. Wells.

#### Enfield

A meeting of the Enfield and District Chemists' Association was held on November 4, Mr. A. R. Cross presiding. It was reported by a member that a local doctor was interested financially in a pharmacy, with optical and dental departments, that it was proposed to open next to his surgery. It was decided that one of the Association members not concerned in the matter should approach the doctor to point out the inadvisability of the course he was taking. Mr. S. Chedzoy (local Air-Raid Precautions Officer) then addressed the meeting on "Air-Raid Precautions in Relation to Chemists." He said that chemists could act as gas-detection officers only after business hours, as the nature of their business prevented them taking part in air-raid precautions during those hours when they would be needed by the public. As casualty-clearing stations would have the services of medical men, he did not think the services of chemists at the stations would be necessary; while as the Home Office would supply all stores of material, dressings, etc., he did not think the co-operation of pharmacists for the supply of these requirements would be required. He referred to the impossibility of chemists' shops being equipped as casualty-clearing stations, but said chemists would help considerably if they would display Air-Raid Precautions posters and literature. Mr. H. Linstead briefly thanked Mr. Chedzoy for his talk. It was proposed by Mr. A. R. Cross, and seconded by Mr. Pierce, that an A.R.P. committee should be formed. Messrs. A. Cross, Dinwiddie, H. Linstead, Lawrance, Rose, Pierce and Sharpe were elected.

#### Gloucester

Support for C.F. scheme.—The annual meeting of the Gloucester Branch of the National Pharmaceutical Union was held on November 7, when Mr. A. C. Gardiner was appointed *President*; Mr. R. W. Muir, 111 Southgate Street, Gloucester, *Secretary*; and Mr. S. Davis *Treasurer*. Full support was again pledged to the Chemists' Friends scheme, and the hope was expressed that after Christmas firms concerned might be notified of suitable dates for simultaneous displays.

#### Leamington Spa

N.P.U. ACTIVITIES OUTLINED.—The Warwickshire Branch of the National Pharmaceutical Union met at Leamington Spa on October 27, Mr. W. D. Wooddisse in the chair. Mr. Hr. Marshall (a member of the N.P.U. Executive) addressed the Branch, foreshadowing intensified action in connexion with the organisation and development of the C.F. scheme, together with other N.P.U. developments. He paid a tribute to the work of Mr. Mallinson and his staff, and promised to do all in his power to increase the profits on C.F. proprietaries. It was agreed to hold simultaneous window shows of certain C.F.

products, where manufacturers were prepared to organise such window shows themselves. A vote of thanks to Mr. Marshall concluded the meeting.

#### Leeds

QUESTIONS ON THE NEW BUILDING.—Leeds and District Branch of the Pharmaceutical Society was addressed, on November 10, by Mr. J. F. McNeal (a member of the Pharmaceutical Society's Council). Mr. McNeal touched on most subjects of topical interest, but devoted most of his talk to an analysis of responsibilities of the chemist under present requirements of the Poisons Board, drawing warnings from cases which had come before the Society's Law Committee, of which he is a member. He criticised anomalies which, if applied strictly, would make the requirements of the Poisons Board conflict with other laws and create a ridiculous position in general pharmacy practice. Two of the subcommittees of the Committee of Inquiry had completed their reports, he went on, and there was every expectation that the other two would be ready in time for next year's Pharmaceutical Conference at Birmingham. He contended that the inquiry was set up, not voluntarily on the part of the Society so much as under pressure from the chemists of the country, because they felt the 1933 Act was in some respects unfair to them. He was hopeful that, as a result of the Committee's work, chemists would be able to marshal facts on which the Government could be induced to prepare a Pharmacy Bill. Mr. McNeal spoke of his memorandum—submitted twelve months earlier—suggesting a Corps of Pharmacists in the Army, with proper status and responsibilities. The suggestion had gone to the Government, and there was hope of a successful outcome. Unless and ment, and there was nope of a successful outcome. Oness and until something more definite was established in regard to supply terms for dressings under Air-Raid Precautions schemes, chemists would find full value less 10 per cent. a figure generally acceptable to local authorities. Inviting discussion and questions, the chairman (Mr. W. F. H. Kemp) said, unlike some members of the Council, Mr. McNeal really had told them something in his address. Mr. N. Armitage expressed surprise that Mr. McNeal had made no mention of the War. surprise that Mr. McNeal had made no mention of the War Auxiliary Fund, which had begun at Leeds and in regard to which the Society seemed to have become parsimonious. gard to the new building, was the Society sure of getting the money and was there truth in rumours that it was to solicit help from stores, patent medicine firms and other outside sources? Mr. McNeal replying, as chairman of the War Auxiliary Fund, said this had done consistently good work for a diminishing number of beneficiaries. The fund, now standing at about £2,000, was likely to be exhausted in about two years, after which beneficiaries would come under the Benevolent Fund, except two elderly persons for whom other provision had been made. He had heard the rumours about soliciting financial aid for the building fund from outside, but had no details on the matter. Mr. T. Heseltine (a member of the Executive of the N.P.U.) asked whether it was true that the Society had borrowed heavily for the new building and had paid or was paying something like £60,000 interest? Mr. McNeal: It is true the Society has borrowed, this being in pursuance of the 1926 policy; but Mr. Heseltine is wrong in his figure of interest. He felt the Society might have been expected to have saved enough in 100 years for such a loan to be unnecessary, but he could assure the meeting that the loan was at an uncommonly low interest, and repayment was spread over a long period. In answer to Mr. Challoner, Mr. McNeal agreed that the Council should take members more into their confidence about the new building, and said it was intended, now the facts were complete, to give them, with plans and pictures, at special meetings.

#### London

FIRST-AID LECTURES.—A series of lectures in first-aid and anti-gas training has been arranged with the local authority by the North London Pharmaceutical Association. The course, which is exclusively for chemists, starts on Tuesday, November 22. Members who have not already received details and enrolment forms should communicate with the district officer at once.

Lecture on Medicine.—A meeting of the North-East Metropolitan Branch of the National Pharmaceutical Union was held on November 10, when Mr. W. E. James (Glaxo Laboratories, Ltd.) gave an illustrated lecture on "Some Trends of Modern Medicine." He reviewed the early days in medicine and the lack of physiological knowledge in the middle ages.

Comparing pre-war and post-war medicine, he mentioned insulin, liver, sulphanilamides, mandelates, vitamins and the pituitary hormones. A discussion followed. Mr. Barnard proposed a vote of thanks to the lecturer, which was seconded by Mr. C. Fox.

#### Manchester

PLEA FOR UNITY.—Mr. G. A. Mallinson (general secretary, National Pharmaceutical Union) addressed a meeting of the Manchester and Salford Branch on November 10 on "Combination in Pharmacy and its Results," Mr. A. E. Thorpe presiding. Combination, he said, might be voluntary, as in the N.P.U., or compulsory as in some trade unions and certain professional bodies. He described what had been done in pharmacy by voluntary combination. The Society itself had been established by the enthusiasm of individual chemists working to give pharmacy a proper status. The 1868 Act was also the result of combined effort. Later came the Proprietary Articles Trade Association, and the Chemists' Defence Association, inspired by the magnetic personality of Sir W. S. Glyn-Jones. The N.P.U. followed with its introduction of the Chemists' Mutual Insurance Company, the Sickness Provident Society, and finally the Chemists' Friends movement. By voluntary combination of enthusiasts results were achieved quickly; when they had to depend upon organisation progress was slower. Neither the Society nor the N.P.U. could pledge their members to support any particular policy or line of action. A percentage of members would hesitate, some would wait and see, others would oppose. In the N.P.U. this was exemplified in the C.F. movement. Although the movement had been received with gratifying enthusiasm, support was not unanimous. If only they could secure an approximate 100 per cent. support for it, they could then press forward in other directions. Some younger pharmacists were inclined to be critical about the P.A.T.A., the N.P.U. and the Society. There was even a suggestion that the C.F. movement was being imposed upon pharmacy and designed to restrict them in their business. Instead of being a hindrance, he looked upon it as the most valuable and most vital development in pharmacy to-day. He was satisfied that, given combination and united action, the right of chemists to be distributors of proprietary medicines would have substantial recognition. Prolonged discussion followed, after which a vote of thanks to Mr. Mallinson was proposed by Mr. H. Steinman and seconded by Mr. G. V. Tyler.

#### Merseyside

CINE-SUPPER.—Liverpool Chemists' Association and Branch of the Pharmaceutical Society held a cine-supper on November 10 in aid of the Society's Benevolent Fund. Purchasers of tickets were entitled to visit the last show of one of the city cinemas and afterwards to attend a supper at a local restaurant, the supper commencing at 11 p.m. Motor buses conveyed the party between the picture theatre and the restaurant, where Mr. J. H. Franklin, Ph.C. (a member of the Society's Council) made an appeal on behalf of the fund, but no collection was made. The results of the appeal and donations totalled about £70.

PRICE-CUTTING CHARGE UNFOUNDED.—Alleged underselling of P.A.T.A. products by a chemist was reported on by Mr. F. J. Nichols (secretary, Birkenhead and Wirral Pharmacists' Association) at a meeting on November 2. Mr. Nichols said he had made inquiries and inspected the window display of the chemist, but found nothing to which exception could be taken. Some dilapidated toilet articles were to be seen, but the seller would be lucky if he got rid of them at half price. Everything else was marked at full value. He further reported receipt of a letter from the assistant to the Birkenhead Medical Officer, asking the Association if it was prepared to make a formal offer of co-operation in connexion with A.R.P. work. The Association was asked to supply a list of chemists who would be willing to undergo a course of A.R.P. and first-aid training, furnish a list of appliances which might be required in an emergency and was asked whether they would be willing for the authorities to have first call on their stocks should they be required. It was agreed this letter should be considered by the committee at their next meeting.

"Penny sales" denounced.—The question whether bargain sales were unprofessional was raised at a meeting of the Wallasey Pharmacists' Association on November 10, following an address by Mr. W. J. Tristram (a member of the

National Pharmaceutical Union Executive). Mr. H. C. Tristram (president of the Association and brother of the speaker) presided. Mr. W. J. Tristram spoke on N.P.U. and Chemists' Friends work. He outlined the services provided by the Union. There were now 2,000 members using the clearing house, which was handling over £1,000,000 per year. An illustration of the advantages was that if a chemist paid each account with a twopenny cheque and stamped the envelope with a three-halfpenny stamp, his expenditure would be about £4 5s. per annum; probably the average chemist expended about half this figure, but by using the clearing house he saved this money. Between twenty and thirty third-party claims were dealt with each month, protection being afforded the chemist in respect of claims that might be made arising from mistakes in dispensing medicines, while three or four cases were dealt with each month in respect of accidents caused by cycling errand boys. More than 4,000 members had taken advantage of the N.P.U. fire, burglary and plate-glass insurance. In the subsequent discussion, Mr. A. Williamson asked whether it was fair trading to give two articles for the price of one, plus one penny; he could not see how a man or firm could be a member of the Chemists' Friends movement if he was giving something away. Mr. W. J. Tristram pointed out that one of the conditions of the C.F. was that the listed supplier must be willing to supply all chemists. The concern mentioned as selling two articles for the price of one plus one penny supplied not all chemists, but only one in each district. He suggested a resolution should be sent to the N.P.U. executive for consideration. Mr. C. H. Leggett (local secretary) said that, although he had the agency, he did not hold sales or give anything away. He thought sales were unprofessional. On the proposition of Mr. A. Williamson a resolution was adopted asking the N.P.U. Executive's opinion whether such sales were good pharmaceutical practice, and whether any concerted action should be taken to discourage them. A hotpot supper followed the meeting.

#### Thames Valley

Superannuation scheme outlined.—The vice-president of the Pharmaceutical Society (Mr. Walter Deacon) gave his lantern lecture on "The Romance of Hospitals" to Thames Valley District Pharmacists' Association on November 15. Mr. W. Griffiths (president) was in the chair. A vote of thanks to the lecturer was proposed by Mr. Palmer and seconded by Mr. Dickinson, a junior member of the Association. While coffee was being served the secretary (Mr. C. B. Harrison) gave details of the Government's superannuation scheme as recommended to the attention of members by the Pharmaceutical Society's Council.

#### Torquay

Officers elected.—The annual meeting of the Torquay Branch of the Pharmaceutical Society was held on November 2, Mr. W. H. Wyatt (chairman) presiding. The chairman referred to the loss the Branch had sustained through the death of Mr. T. W. Dunsford, one of its oldest and most ardent members. Members stood for a moment as a mark of respect. The annual report and financial statement were read and approved. The following officers were elected:—Chairman, Mr J. H. Sarson; Vice-Chairman, Mr. H. H. Gale; Treasurer, Mr. W. H. Wyatt; Auditor, Mr. W. R. Austin; Secretary, Mr. T. D. Evans; Committee, Messrs. J. H. Smith, G. A. Clarke, W. H. Burr, H. Holmes, R. G. Matthews, A. McMannes and B. Holden. Mrs. Lunt (Conference delegate) gave a report of the proceedings and referred specially to the code of ethics and the Liverpool motion on salaries. In a discussion on the latter, opinions were divided. It was decided to call upon the Conference Committee to act forthwith. A collection was made on behalf of the Benevolent Fund.

N.P.U. Branch affairs.—The annual meeting of the Torquay Branch of the National Pharmaceutical Union was held on November 9, Mr. Austin in the chair. The secretary, in his annual report, stated that three meetings had been held during the year with an average attendance of ten. The committee had worked well; three meetings had been held with an average attendance of five, and he thought the committee should be congratulated. Simultaneous window displays were commenced in May, and arrangements completed would continue the displays until January 1939. The secretary minded members that the national simultaneous displays to be given to a certain proprietary in January next had been

promised the support of the Branch. He hoped to receive some assurance that members were putting in the displays, as, obviously, he had not the time to see for himself. He was receiving applications almost daily from C.F. manufacturers who are eager to participate in these simultaneous displays, and he trusted the time was long past when chemists and ne trusted the time was long past when chemists would sell their window space for a mere  $2\frac{1}{2}$  per cent. The treasurer reported a small balance in hand. Both reports were adopted. Mr. McMannes, Paignton, was elected Chairman; Mr. Clark Vice-Chairman; Messrs. Austin, Evans, Holmes, Sarson and Holden the Committee; and Mr. W. W. Burr Secretary (re-elected). Complaints were received that Burr Secretary (re-elected). Complaints were received that certain members were displaying non-C.F. lines, and it was agreed to ask the N.P.U. executive to send a man down from headquarters to address the Branch on the subject with a view to stimulating further interest.

#### Watford

PHOSFERINE'S NEW HEADQUARTERS.—The new building at Watford shortly to be occupied by Phosferine (Ashton &

PHOSFERINE

NEW BUILDING OF PHOSFERINE (ASHTON & PARSONS), LTD., WATFORD

Parsons), Ltd. (see C. & D., November 12, p. 515) is a twostoried steel structure with underground garage and cycle store. The elevation is in red brick and stone. The ground floor comprises packing and assembly rooms; bottle-washing department; homeopathic and chemical laboratories. The upper floor accommodates offices; mechanical equipment and tablet drying-ovens; mixing vats for Sanacine cough mixture; and coating pans for homeopathic pilules.

#### Miscellaneous

Mr. Bernard Larbalestier, M.P.S., has been granted permission to practise as a chemist and druggist in Jersey.

STRYCHNINE PROHIBITION TO REMAIN.—It was announced by the National Farmers' Union and Chamber of Agriculture of Scotland that the Home Office has again refused to withdraw the ban on the use of strychnine in the destruction of vermin, despite repeated protests. The Home Office statement observes that the prohibition was made on the advice of agricultural authorities.

IN THE COURTS.—At Chesterfield on November 5 a lorry driver employed by Boots, Ltd., was ordered to pay costs and the company was fined £3 in connexion with a charge of having an excess load.—A fine of £3, with 10s. 6d. costs, was imposed at Croydon on November 15 on Mrs. M. E. Crisp, confectioner, Thornton Heath, for having in her possession for use in trade scales that were unjust.

INQUESTS.—At an inquiry at Camberwell, London, on November 11, into the circumstances attending the death of Mrs. K. E. Price, who died in King's College Hospital following childbirth originates are a broad of the control of the co lowing childbirth, evidence was advanced that pentothal was applied as an anæsthetic in preference to gas or ether. Recording a verdict of "Death by misadventure," the coroner stated: "There has been no neglect, no mishap and no accident."—A verdict of "Suicide while of unsound mind" was returned at an inquest at St. Pancras on November 15 on Sarah Roberts, who died after taking disinfectant on November 12.

—A verdict of "Suicide while the balance of her mind was disturbed" was returned at an inquest in Birmingham, on

November 11, on Annie Maria Kay, whose death occurred after taking 175 aspirin tablets.

PHARMACY ACT CASES.—At Belvoir, Notts, recently, a summons against Edgar Standley, High Street, Bottesford, for selling Famel syrup, containing codeine, not being an authorised person and for selling it without a proper label were dismissed on payment of 8s, costs.—At Doncaster, on November 8, Arthur Williams, Hatfield, was fined 10s. for selling tablets containing ephedrine without being a qualified pharmacist.—At Nottingham, on November 9, Robert Dye, Beeston, was fined £3 for selling tablets containing morphine, not being an authorised seller, and for failing to label the packet with the name and address of the seller.

#### Scottish Notes

#### Edinburgh

SOCIAL EVENING AND SUPPER.—By the invitation of the chairman of the local Conference committee (Dr. J. J. Blackie),

a social evening and supper was held at the Royal British Hotel, Edinburgh, on November 9. The chairman gave a satisfactory report and expressed thanks to the conveners and members of committee who had co-operated in making the arrangements. Mr. Rainy Brown submitted the financial statement, which showed a gratifying balance in hand. Dr. Watt and Mr. Rutherford Hill also spoke, and Mr. J. B. Mitchell (vice-chairman), seconded by Mr. Harley, expressed to Dr. Blackie the thanks and high appreciation of the committee for his work as chairman. Entertainment during the evening was provided by Mrs. Webster, Miss Cordery, Dr. Tait and Mr. Welsh, Miss Meston acting as accompanist.

#### Glasgow

Branch Dinner.—The first annual dinner of the Glasgow and South-Western Scottish Branch of the Pharmaceutical Society was held in the Central Station Hotel, Glasgow, on November 8, when nearly 200 persons attended. Mr. J. H. Ramsay, Ph.C., chairman of the Branch, presided, and with Mrs. Ramsay, Mr. Thomas Guthrie, president of the Pharmaceutical Society, and Mrs. Guthrie, Professor J. P. Todd and Mrs. Todd, received the

guests.

The chairman extended a welcome to those present, and on behalf of Mr. A. B. Gilmour, interim secretary, read apologies from the Rt. Hon. Walter Elliot, M.P.; Mr. H. N. Linstead; Sir Hector J. W. Hetherington, Principal of Glasgow University; Professor Barger; Bailie James Gray; Commander T. D. Galbraith; and members of the branch. Proposing the toast of the Pharmaceutical Society, Sir Thomas Kelly said that for many years he had been out of the way of public speaking and had to confess that he knew very little about the subject. The chairman, however, had provided him with the Calendar, and after wading through it he had a new respect for the qualified chemist. He had had no idea that such a long course of training was needed. It was one of the most difficult professions that a man could take up. It took scholarship and ability to pass the necessary examinations. It needed personality and character to be a success in the retail trade, and the man behind the counter deserved the greatest regard. Replying, Mr. counter deserved the greatest regard. Replying, Mr. Guthrie said that he had been attached to the Society for almost sixty-five years. While the Society was in existence for twenty-five years before that, it had a small membership, probably about 2,000. During his own association with it its membership had increased twelve-fold. Dr. Joseph Tait, Edinburgh, proposed "The City of Glasgow—Town and Gown," to which Lord Provost P. J. Dollan responded.

The platform party consisted of Lord Provost P. J. Dollan, of Glasgow, and Mrs. Dollan; Sir Thomas Kelly, D.L., I.L.D., J.P., ex-Lord Provost of Glasgow; Sir Arthur J. C. Huddleston, C.M.G., O.B.E., M.A., the Director of the Royal Technical College, Glasgow; Dr. A. S. M. McGregor, Medical Officer of Health, Glasgow; Professor Noah Morris, of the Chair of Therapeutics and Materia Medica, Glasgow University; Dr. J. Seph Tait, Resident Secretary in Scotland to the Pharmaceutical Society; Dr. J. Wallace Anderson, chairman of the Glasgow and West of Scotland Branch of the B.M.A.; and Mr. Harvey P. Arthur, M.P.S., of the Board of the Royal Technical College. Technical College.

#### Irish Notes

#### Ulster Chemists' Association

The monthly meeting of the executive committee was held on November I, Mr. R. Linehan (president) in the chair. An apology for absence was received from Mr. J. M. Poots. The President congratulated Mr. W. C. Tate on being elected to the presidency of the Pharmaceutical Society of Northern Ireland, and members supported the president's remarks by acclamation. Mr. Tate briefly replied. The secretary reported that the Price List subcommittee appointed at the last meeting had begun the work of revising and preparing the new List. Major F. S. Eastwood (Air-Raid Precautions Officer) wrote accepting the invitation of the Committee to be present at the annual meeting on November 23 to address the members. It was agreed to defer further advertising until members attending the annual meeting had had the opportunity of discussing the matter and of expressing an opinion on the advisability of a change in method. The secretary was directed to prepare the Executive Committee's report for presentation to the annual meeting on the lines indicated, and to submit the draft to the honorary secretaries for approval. Mr. James McDowell mentioned that a communication would shortly be sent out to each chemist on the National Health Insurance list dealing with methods of preserving ammonium carbonate in stable form.

#### Belfast

The dance organised annually by the Ulster Ladies' Pharmacy Committee in aid of the Benevolent Fund was held in the Plaza, Belfast, on November 9. The Pharmaceutical Society

of Ireland was represented by Messrs. P. Cahill (vice-president), P. Brady and B. Smith. Mr. J. Glendinning (vice-president of the Northern Ireland Society) and other members of the Council were among those present. Prizes for novelty dances were provided by the Mesdames Martin, Abernethy, McGregor, the Misses Laverty and Murray, Mr. W. Tate, and Morny, Ltd. (per Mr. J. A. Walsh). They were presented by Miss A. Laverty.

The committee in charge of the arrangements included the Misses A. Laverty (cheirman), L. M. Forrest (treasurer), E. G. Crawford (secretary), R. J. Barry (assistant secretary), M. M. Murray, and Mesdames F. Storey, J. McGregor, McDowell, Wm. Martin, N. Hogg, L. Maguire, C. Abernethy, and J. P. Kyle. Mr. J. McGregor acted as M.C., and the dance stewards were Messrs. J. McGregor (Benevolent Fund treasurer), W. Tate (president, Pharmaceutical Society of Northern Ireland), J. R. Guiler, A. Steede, S. H. Forrest (a past-president, Pharmaceutical Society of Northern Ireland), and J. Kirkpatrick.

#### Miscellaneous

INQUEST.—A verdict of death from strychnine poisoning was returned at an inquest in Coalisland on October 28 on James Higgins, Annaghmore, Coalisland, who died on October 6.

LOUGHREA CARNIVAL.—The carnival and bazaar organised by the recently formed Loughrea Traders' Development Association, of which Mr. P. J. Barry, M.P.S.I., is secretary, was opened by the Bishop of Clonfert. The "Dawn" stall, presided over by Mrs. Barry, and showing Dawn preparations, as well as Kolynos and Erasmic products, was one of the most attractive. The thanks of the committee are accorded to Irish Pharmaceuticals, Ltd., Kolynos, Ltd.; P. C. Cahill & Co., Ltd.; May, Roberts (Ireland), Ltd.; A. de St. Dalmas & Co., Ltd.; Erasmic Co., Ltd.; and Dundalk Chemicals, Ltd., for contributions.

## **Topical Reflections**

#### By Xrayser

#### Shops in Small "Estates"

A practical subject has been frankly discussed from the He points out that the unit man (as I may for brevity all him) should "expect only a bare living for a few years" hat a year or so after one group of shops is opened another nay spring up "about a mile or so away"; and that the public make their larger purchases when they visit "the treet of multiples or the big town." These considerations are n themselves sufficient to give a chemist pause before launching forth in a new road or a newly built up part of a road. and there is more. Too many shops, in my judgment, are being put up in proportion to the houses adjoining them. Of ate I have several times passed a strip of land bounded on one side by an unbroken length of railway and on the other by a main road on the opposite side of which stands a public nstitution. The number of houses, all of them small, may be estimated at roo or just under; and the nature of adjoinng properties seems to preclude further building. This little luster of premises includes a few laid out as shops: the two learest shopping centres are only about a quarter of a mile way on one side and half a mile on the other, with an excelent bus service. This kind of illustration can easily be muliplied by anyone motoring through urban districts with his yes open. Remembering the tendency of the public to patronse a shop for one or two articles only, it needs what Maeterinck once called a "wilful" optimist to feel very hopeful as to he prospects of beginning business in such areas. A branch of an existing local shop is probably the least doubtful, though till a speculative venture.

#### Delivery Costs

I wonder whether anyone has worked out accurately the elative cost to the wholesaler—relative, that is to say, to ther overhead expenses—of the present "mad race" for requent deliveries. Those who have been behind the scenes in

a large office, and have seen the posse of clerks wearing headphones and engaged in taking down orders, realise that this part of the firm's service accounts for a considerable item in the current charges. In my early years in pharmacy, provincial chemists were content with two deliveries of drugs and sundries, or even with one, in each quarter, urgent goods being received by parcel post, then a novelty. Proprietary medicines were obtained more frequently, but never, I think, more than three times a week. If the Epsom salts of a correspondent's letter on p. 539 arrived, in some cases, in an otherwise empty van, the sale was obviously unprofitable to the supplier; and although many of us may at times have had to carry out unprofitable transactions for reasons of policy, we cannot live habitually on our losses. When the race to the North between two of our chief railway companies took place about forty years ago, public opinion grew first alarmed, and then hostile, because of the increasing chances of a serious accident. It may be that the present competition in frequency of delivery will come to an end for a similar reason.

#### At the Dinners

With the aid of my copy of the C. & D. I am able, in thought, to attend public dinners in various parts of the country while remaining at my fireside—possibly with eventual benefit to my digestion. November has not been exceeded, of late years, by any other month in the number of annual functions in which your readers are interested; and your reports on pages 515-16 include many obiter dicta suggesting questions to the respective speakers. Has it ever been the accepted order of things that, as we read in the account of a Blackburn dinner, "the dull child of the family" was sent into pharmacy "as his most appropriate vocation?" I was under the impression that an even more venerable institution, the Church (if modern anthropology will allow me so to describe it), was the destination of the backward or difficult boy. The notion of the "simple" person gravitating to pharmacy is, indeed, occasionally met with, but invariably, in my experience, from a Continental source. The congratulations to the National Pharmaceutical Union on the abolition of discounting are well deserved: I may perhaps add, however, that there should be no resting on our oars in the matter of National Health Insurance contracts.

## Imperial and Foreign News

FRIENDLY SOCIETIES AND TRADING.—The Victorian Friendly Societies' Dispensaries have applied to the Prime Minister asking for an amendment to the Friendly Societies Act so as to permit them to trade with the public. They fear that as a result of the National Insurance Act they will be compelled to increase their charges or go out of business. On three previous occasions when the same request was made by representatives of the Friendly Societies it was refused.

#### India

VOLUNTARY LIQUIDATION.—A meeting of creditors of the Zona Chemical & Pharmaceutical Works, Ltd., Karachi, was called for October 15, to pass a resolution that the company should be wound up, and to appoint liquidators.

BENGAL PHARMACEUTICAL ASSOCIATION.—The third annual conference of the Association was held on September II at Calcutta. The chairman of the reception committee (Mr. R. D. Lemmon) stated that India was probably the only country of standing without an organised standard of pharmaceutical education and training. Mr. R. N. Chopra (School of Tropical Medicine, Calcutta) in his presidential address, claimed that the biochemical standardisation laboratory opened by the Central Government was a first step in the direction of drug control. This had functioned for about a year and a half and, as a result, a large amount of data regarding the quality of drugs in use in the country had been accumulated. Standards were being worked out suitable for the climatic conditions prevailing in India, but legislation to enforce such standards had to be or in India, but legislation to thiode such standards that to the enacted before the unit could be of any practical use. Dr. B. Mookherji, M.D., M.R.C.P. (general secretary), read the annual report. It was resolved that "without concurrent all-India legislation for the control of the profession of pharmacy, the laudable object of the Central Government to control drug adulteration and spurious drug trade in Ind'a will be completely frustrated. This conference further ie't rates that any scheme of drug control worked by non-professional men should not be accepted." In a resolution the provincial Government was requested to introduce immediately the modified syllabus for the improved training of the compounders, as recommended by the subcommittee of the State Medical Faculty of Bengal, and change the present designation of "compounder" to "pharmacist." The meeting terminated with the election of the officers.

New Zealand

MARKET FOR MEDICINAL PREPARATIONS.—The American Consulate-General has reported to the U.S. Department of Commerce that medicinal preparations, particularly proprietaries of American manufacture, meet with a good demand in New Zealand despite preferences accorded to British and Australian products and the rapid growth of home production in recent years. Although New Zealand possesses the lowest death rate of all countries, conditions are prevalent which create a demand for certain types of medical preparations. They include nose and throat illnesses, goitre and nutritional deficiencies. demand for cough remedies, throat lozenges, goitre remedies, glucose mixtures and inhalants is stated to be particularly good.

#### Straits Settlements

Branch opening.—Grafton Laboratories (wholesale and manufacturing chemists), 208 Collyer Quay, Singapore, are opening branch premises at 41-43 Java Street, Kuala Lumpur, Federated Malay States, as from January 1, 1939. Mr. John Duthie, M.P.S., has been appointed manager.

#### United States

MATERIA MEDICA PRIZE.—Dr. Frederick B. Kilmer has bequeathed to the American Pharmaceutical Association the sum of three thousand dollars for the purpose of providing a prize to be known as the Kilmer prize for meritorious work in pharmacognosy. Preference will be given to studies in vegetable drugs. The first award is to be made during the vegetable drugs. The first award is to be made during the annual meeting of the Association at Atlanta, Georgia, in 1939. Entry is reserved to final-year students at U.S. schools of pharmacy.

AMERICAN PHARMACEUTICAL ASSOCIATION.—Among the resolutions adopted at the eighty-sixth annual meeting of the Association, August 22-27, were recommendations deprecating the unregulated and promiscuous retail distribution of narcotics exempted from Federal and State legislation; urging that pharmacists should be appointed to membership of the State and local boards of health; urging removal of excise tax from ethyl alcohol used in bona-fide medicinal substances; pressing for minimum standards of professional and technical equipment (see also C. & D., August 20, p. 184); and voicing disapproval of the use of the historical and scientific background of professional pharmacy in association with commercial displays of proprietary medicines offered to the public for self-medication.

## Parliamentary News

#### Contraceptives Regulation Bill

A Bill was introduced on November II "to regulate the public display in shops of contraceptives and matter descriptive thereof; to prohibit street trading in such articles and to restrict the public advertisement thereof." The Bill is to be read a second time on December 16.

#### SHOPS BILL

Another Bill presented on November 11 was one "to amend the Shops Acts, 1912 to 1936, with respect to hours of employment." This Bill will be read a second time on February 24.

#### Hours of Labour in Distributive Trades

Mr. Burke asked the Minister of Labour on November 10 whether he would take steps to introduce legislation to reduce the hours of labour in the distributive and kindred trades?

Mr. Lennox-Boyd (for the Minister): Schemes for the regulation of wages and conditions in the retail distributive trades . . . were submitted to my right hon. friend earlier in the year, and these schemes are now being re-examined in the light of subsequent discussions with my Department . . . I am glad to say that voluntary agreements are continuing to be made which, I hope, will provide the basis of general action.

Mr. Burke: Is the Minister aware that in this section of industry the hours are very much longer than in many other

industries . . . and that there is room for legislation to bring

the distributive workers up to the average of productive workers generally?

Mr. Lennox-Boyd: The agreements which have been made are not confined to hours, but deal with conditions in general, and voluntary arrangements are gradually bringing the conditions up to other standards.

#### GERMAN COMPETITION IN THE DOMINIONS

Sir J. Smedley Crooke asked the President of the Board of Trade on November 10 what steps were being taken by the Government to safeguard British manufacturers against German

subsidised exports to Australia, New Zealand and India?

Mr. Stanley: The question . . . is primarily one for settlement between Germany and the Overseas Governments concerned. I am, however, always ready to examine any specific cases brought to my notice . . . and to consider approaching those Governments with a view to finding a solution.

#### N.H.I. BENEFITS FOR WIVES AND CHILDREN

Miss Wilkinson asked the Minister of Health on November 10 whether he would consider making arrangements whereby wives and children of persons insured under the National Health In-

surance scheme might become entitled to medical benefit?

Mr. Elliot: I cannot hold out any prospect of the introduction of legislation for this purpose at the present time.

## Company News

P.C. means Private Company and R.O. Registered Office

British Amino Products (1938), Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of wholesalers and retailers of chemists' sundries, patent medicines, and proprietary articles, etc. Alfred Dehey, 2 Oak Hill Road, Surbiton, Surrey, director. R.O.: 2 Oak Hill Road, Surbiton,

Kraska Kosmetics, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in liquid nail polishes and manicurists' requisites, etc. Chas. W. Kropacsy, "Milestone," Milespit Hill, Mill Hill, N.W., director. R.O.: Camilatone House, Edgware Road, Welsh director. R.O. Harp, N.W.9.

INDUSTRIAL CHEMICALS, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturers of and distributors of chemicals, waterproofing compositions, tar, pitch, creosote, oil, etc. Geo. C. M. Gardner, "Threeways," Dropcreosote, oil, etc. Geo. C. M. Gardner, "Threeways," Dropmore Road, Burnham, Bucks, director. R.O.: The Paisley Building, Farnham Road, Slough, Bucks.

THE HAMILTON CHEMICAL TRUST, LTD. (P.C.).—Capital (14,000. Objects: To acquire and take over all shares in Laing's (Chemists), Ltd., Chandre Beauty Preparations, Ltd., Ebe Products, Ltd., and all shares which stand registered in the several names of Alfred Jas. Barrett, Geo. Thos. Smith and Svend Aage Dohm, together with the whole of their interests, monetary or otherwise, in the said companies, and to carry on the business of manufacturers and wholesale and retail dealers in chemicals, drugs, gases, pigments, acids, etc. The directors are: Svend Aage Dohm, 3 Gressenhall Road, Putney, S.W. (director of Ebe, Ltd.), and Geo. Thos. Smith, 18 Tubbenden Drive, Orpington, Kent (director of Chandre Beauty Preparations, Ltd.). R.O.: 19 Buckingham Gate, London, S.W.1.

THE ABIETSAN MANUFACTURING Co., LTD.—The capital of this company has been increased to £10,000. A new factory is being erected and will be taken over in January 1939.

VITAMINS, LTD.—Interim dividend declared of 10 per cent. for 1938-39 (22½ per cent, paid for completed previous year). Board report continued and substantial increase in sales and profits in all departments.

WOODLANDS CHEMISTS, LTD.—A reduction of the capital of woodlands Chemists, Lib.—A reduction of the capital of this company from £100,000 to £40,000, by writing off £60,000, lost or unrepresented by available assets, was confirmed by Mr. Justice Bennett in the Chancery Division on Monday, November 14. Mr. J. G. Strangman, for the company, stated that the capital was in 400,000 shares of 5s. each, and it was proposed to reduce the shares to 2s. each. The loss was due to several factors unforeseen on the formation of the company. It acquired thirty-two shape previously carried on by indi-It acquired thirty-two shops previously carried on by individuals, and the chief reason for the loss was a substantial decline in the business of these shops. Some of the shops had since been sold at a loss. There had been a reconstruction and reorganisation of the business, and in 1937 a gross profit on trading of £8,087 was shown. It was believed that the improvement would now continue, and that there would be increasing profits in the future. There had been a revaluation of the assets, and the balance sheet figures had been written down to their true values.

BEECHAMS PILLS, LTD.—The following is an extract from a speech made by the chairman of the company, Mr. Philip E. Hill, at an extraordinary meeting of the shareholders, held in London, on Thursday, November 10, 1938. "The purpose of to-day's meeting is to increase the capital of this company by the creation of 4,000,000 deferred shares of 2s. 6d. each, of which 2,500,000 are required for the purpose of exchange for the 4,000,000 5s. ordinary shares of Eno Proprietaries, Ltd. The remaining 1,500,000 deferred shares will remain unissued but will be available should any fresh developments arise. Your directors have no intention of issuing these shares at present. My colleagues and I are very satisfied with the terms of the acquisition of Eno's, and I am confident that we shall benefit materially through Eno's connexions overseas and also from the economies which we are now effecting through the close working association now being established. The immediate benefit of the transaction will be considerable, and the ultimate result should satisfy us all. I should like to take advantage of this opportunity to say something with regard to the current year's trading. We could not, of course, expect entirely to escape the inevitable effect of the crisis upon the country's trade, particularly overseas, but we have suffered probably less than the majority of traders. Business is now definitely on the upgrade, and we shall, I am sure, all be satisfied with the result of the year's trading and the dividend you will receive when the company's financial year ends.' resolution was passed unanimously.

THE DEASON CHEMICAL CO., LTD.—At a meeting held recently it was resolved that this company be wound up voluntarily. Mr. C. O. Tiley, 24-26 Side, Newcastle-upon-Tyne 1, was appointed liquidator. A new company will shortly be registered under the name of The Deason Chemical Co. (1938),

ALEC WILSON (CHEMISTS), LTD.—At a meeting held in Manchester recently it was resolved that this company be wound up voluntarily. Mr. A. T. Eaves, 47 Mosley Street, Manchester, was appointed liquidator, to whom creditors are requested to send in their names and addresses and particulars of their debts on or before December 20.

Bankruptcy.—Peebles, F.C., "Glenesk," The Broadway, Woodhall Spa, Lincoln, and Aveley, Purfleet, Essex, chemist.

## Trade-Mark Applications

(From "The Trade Marks Journal," November 2, 1938) SCHEDULE III

- "ILVIN"; for a sulphanilamide derivative (3). By E. Merck, Frankfurterstrasse 250, Darmstadt, Germany. 586,383.

  "F BS"; for surgical instruments, etc. (11). By Canadian Cellucotton Products Co., Ltd., Toronto, Ontario, Canada, and Cellucotton Products, Ltd., 317 High Holborn, London, W.C.I. 587,172.
- "GUIAROSE"; for cosmetics (48). By Laboratoires Valdor, 50 Quai National, Puteaux, Seine, France. 586,700. (Associated.)
- "Marvex"; for hair-waving sachets (48). By H. Serventi, Ltd., 61 Beak Street, London, W.1. B585,296.
  "Suntipt"; for nail polish (48). By Muriel S. Drew, 181 Gresham Road, Slough, Bucks. 586,738. (Associated.)
- "SKINTEX"; for toilet preparations (48). By Aimee Lloyd & Co. (1933), Ltd., 2 Bedford Passage, London, W.1. 586,763.

#### SCHEDULE IV

- "Pulpinsul"; for dental products (5). By Svedia Dental Manufacturing Co., Ltd., 20 The Mall, Ealing, London, W.5. 600,128.
- Azoff"; for preparations for removal of adhesive plasters (5). By T. J. Smith & Nephew, Ltd., Neptune Street, Hull. 600,591. (Associated.)
- 'RENEDIL''; for ointment with pancreatic ferment base (5). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2.
- "RHEUMALENE"; for plasters, dressing and poultices (5). By J. Brenner, 7 Fore Street, London, E.C.2. 600,773.
- "KALARA"; for pharmaceutical preparations (5). By Parke, Davis & Co., 50 Beak Street, London, W.I. 600,970.

  "CAMDELATE" and "TRINESIUM"; for pharmaceutical substances (5). By Abbott Laboratories (England), Ltd., Wadsworth Road, Perivale, Middlesex. 600,708/710.
- Complevire"; for pharmaceutical preparations (5). By Vitamins, Ltd., 23 Upper Mall, London, W.6. 601,051.
- "STERIDET"; for antiseptics and disinfectants (5). By Beacon & Janis, Ltd., Victoria House, Southampton Row, London, W.C.I.
- 601,054.
  "LOVLOS"; for rubber surgical articles (10). By Rugoods Supplies Co., 70 High Road, London, E.18. 600,959.

#### APPLICATION AMENDMENT

The specification for "Tablaton" in Class 2, No. 585,498, by Johann A. Wülfing, has been amended to "Medicated antiseptic preparations for human use in the treatment of the vagina.

## Pharmaceutical Society of Ireland

#### Council Meeting

The November monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on November 8, Sir Thomas Robinson (president) in the chair. Other members of the Council present were Messrs. P. C. Cahill, F. J. Fitzpatrick, C. Cremen, P. A. Brady, P. Brooke-Kelly, B. P. Hickey, Dr. J. A. Mitchell, J. A. O'Rourke, T. C. Scott, and J. K. Whelehan. Apologies for inability to attend were received from Mr. P. J. Fielding, Cork, Mr. D. W. P. Boyd, Mr. M. J. Kieran, Mr. J. Gleeson, and Miss F. F. Flood.

#### ACCIDENT TO MR. FIELDING

The Registrar (Mr. J. J. Kerr) said he regretted to inform the Council that Mr. Fielding had met with a rather serious accident. Mr. Fielding had slipped and fallen, as the result of which the sinews above the knee were injured. He was at present confined to hospital.

#### Welcome to Mr. Brady

The President said he would like to extend a welcome to Mr. Brady on his attendance at the meeting, and to say how much they appreciated having him with them. As president of the Irish Drug Association Mr. Brady had rendered valuable service to the trade for quite a long time. In addition he had achieved great popularity amongst all who knew him. They were all glad to make him heartily welcome to the Council.

MR. BRADY said he wished to thank the president and members of the Council for the reception they had given him on his return to this Council on which he had spent some hard working years before. When the vice-president approached him on the matter he hesitated at first, as he felt he was one of the old-timers, and the Council was mainly younger men. On second thoughts, however, he remembered his position in connection with the I.D.A. and felt it would be an honour to come there representing the trade body. There was a feeling up and down the country that there should be close co-operation between the trade body and the Society, and for that reason he decided to accept the invitation to join the Council. He would like to offer his congratulations to the president on reaching the head of pharmacy. Nobody was more deserving of the honour. For over half a century he was one of the leading men inside and outside pharmacy. (Applause.)

#### Correspondence

A letter was read from the Ministry of Justice intimating that the Minister approved of the recent change in the Regulations made by the Council under which the registration fee for assistants has been fived at three guiness.

assistants has been fixed at three guineas.

A further letter was read from the Ministry of Justice in connection with the petition received by them in the cases of two defendants convicted at Rathdrum District Court on September 1. "I am directed by the Minister for Justice," stated the letter, "to inform you that after a full consideration of all the circumstances of the above cases it has been decided that no mitigation can be granted of the penalties imposed by the Court."

#### REGISTRATION MATTERS

The following changes of address were notified:—Mr. J. J. Fitzgibbon, M.P.S.I., from 12 Newtown Smith, Dun Laoghaire, to I Windsor Terrace, Sandygrove, Dun Laoghaire; Mr. T. Larkin, M.P.S.I., from 47 South Great George's Street, Dublin, to Railway Hotel, Greystones, co. Wicklow; Mr. J. R. Lawless, M.P.S.I., from 550 North Circular Road, Dublin, to II Upper Leeson Street, Dublin; Mr. R. I. Jones, L.P.S.I., from 87 Manor Street, Dublin, to c/o Mr. E. R. Owen, chemist, Midleton, co. Cork; Mr. R. E. Levis, L.P.S.I., from The Square, Bantry, co. Cork, to 4 Waverley Terrace, Kenilworth Square, Rathgar, Dublin.

The following who submitted matriculation certificates were granted Preliminary registration: Misses M. R. Casey, M. Kennedy, A. McMahon, E. Sheehan, M. Ni Suileabain, S. Barry, K. M. J. Flynn, J. Murphy, J. O'Connor. Messrs. I. J. Clancy, P. Curtin, K. Deery, J. J. Donovan, J. M. Kelly, D. Leary, J. J. D. Moran, E. P. Murpby, M. F. O'Connor, T. J. O'Driscoll, R. J. Perry, P. R. Tedders, A. Timoney, E. Daly, P. K. Daly and J. M. Kelly.

#### REPORTS RECEIVED

Mr. John J. Gaynor (law adviser) reported on the results of recent law proceedings by the Society. The law adviser

further reported on the result of summonses against two persons for breaches of the Pharmacy Act.

The examiners to the Licence examination reported that twenty-one candidates presented themselves, of which number three passed with honours and one passed. The examiners to the Assistants' examination reported that twenty-eight candidates presented themselves for the examination and twelve passed. Three candidates sat for the Registered Druggist examination and all three failed.

#### DEATHS

The Registrar reported on the deaths of J. Leahy, M.P.S.I. (1991); E. W. Allsom, L.P.S.I.; P. J. McMurray, R.D., and F. X. Fitzgerald, L.P.S.I.

#### Examiners Appointed

The Council next proceeded to elect a Pharmarcy examiner for the Licence examination. Mr. David Warwick, P.C., M.P.S.I., 20 Upper Baggot Street, Dublin, was unanimously elected to the position, and on the motion of Mr. Fitzpatrick, seconded by Mr. Cahill, Mr. Warwick was appointed examiner for the year ending November 1, 1939.

MR. BRADY observed that Mr. Warwick had examined him twenty-one years ago. Mr. Warwick fully justified the responsibility placed on him by the Council that day. He was a man in pharmacy who ran his place in a first-class way.

On the motion of Mr. Scott, seconded by Mr. Whelehan, Mr. A. O'Farrelly was re-elected examiner in chemistry to the Licence examination for the year ending November 1.

On the motion of Mr. O'Rourke, seconded by Mr. Cremen, Mr. M. J. O'Callaghan was re-elected Examiner to the Registered Druggist examination.

#### ELECTIONS AND NOMINATIONS

Miss S. Byrne and Mr. David Hartnett were elected members of the Society. The following were nominated for membership: Miss M. E. Boland, The Square, Kildare; Messrs. P. J. Donoghue, Foley's Medical Hall, Killarney; J. E. Elmes, 4 Winthrop Street, Cork; R. I. Jones, c/o E. R. Owen, M.P.S.I., Midleton, co. Cork; J. V. Kerr, Ballymote, co. Sligo; D. H. Leane, The Square, Listowel, co. Kerry; J. McGuire, Listowel, co. Kerry; Dr. H. Mackey, Mount Haigh, Upper George Street, Dun Laoghaire; J. Mangan, 15 Bridge Street, Tralee; together with Mr. James Clune, The Priory, North Strand, Limerick, as Associate Druggist.

The Licence Certificates of the following were signed and sealed; Miss B. Devine, Thomas Quigley, and J. K. Daly.

#### PHOTOGRAPHIC EXAMINATIONS

At the close of the business on the agenda Mr. Brady mentioned that Dublin had been fixed as a centre for all Ireland for the holding of examinations for assistants by the Photographic Dealers' Association. The first examination would be held about the end of March, 1939, and would be written and oral. The idea was to make assistants efficient in photographic salesmanship, by holding special examinations and issuing diplomas. The question of a place in which the examination could be held had arisen, and it was suggested the Society's headquarters from an ethical standpoint would be the best centre. Ninety per cent. of the photographic dealers were chemists.

THE PRESIDENT said he thought there would be no objection to allowing the examination to be held on their premises, and the Council unanimously agreed.

Mr. Brady raised the question of having a subcommittee appointed by the Council to meet a subcommittee of the Irish Drug Association to discuss the apprenticeship question.

MR. FITPATRICK suggested that the same representatives of the Council—the honorary officers—meet the I.D.A. On the last occasion when the representatives of both bodies came together they did good work. The suggestion was adopted, and the arranging of a suitable date was left to the Registrar.

Mr. Cahill said the chairman of the Benevolent Fund Dance Committee would like the president to make a special appeal to members of the Council and the Society to make the coming dance even bigger than last year. The chairman invited members of the Council and their friends to come along and those unable to come could subscribe to the expense fund.

## Southport's Benevolent Fund Dinner

THE annual dinner of the Southport Branch of the Pharmaceutical Society at which a collection is taken for the Society's Benevolent Fund was held at the Royal Hotel, Promenade, on November 8. Mr. L. G. Meachim (chairman of the Branch) presided.

#### Toast of the Society

After the toast "The King—the Duke of Lancaster," Mr. Meachim then proposed "The Pharmaceutical Society," coupled with the name of Mr. H. Antcliffe (a member of Council), who was the guest of the evening. He had seen in the pharmaceutical Press some controversy as to whether the Society should take more interest in members' business activities. He did not personally agree with that; they had the National Pharmaceutical Union, which was doing a great deal for the benefit of pharmacy. He noticed with interest the close touch the Society had with Government departments on matters affecting their livelihood and wondered sometimes whether it was too much to hope that in the near future pharmacy might attain that standing which they all thought it deserved, and which it had attained in certain other European countries. He noticed that during the international crisis the Society was in close touch with the Government departments on the question of the training of chemists to play their part in a possible national emergency. It had been his privilege a year earlier to make an appeal for the Benevolent Fund, and the collection then taken was the highest on record for the branch. He hoped they would de their utmost

to equal, if not surpass, the sum then raised.

MR. H. ANTCLIFFE, in reply, said they knew the Benevolent Fund had very strong support in Southport, which had contributed for the strong support of the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport, which had contributed for the strong support in Southport tributed 6s. 8d. per head of the branch membership. When he told them that the average throughout the country was only one halfpenny they would feel pleased. Mr. Antcliffe went on to refer to the Society's new building, giving a brief history of the meeting places the Society had had before it eventually arrived at Bloomsbury Square. It had been said that they should build the school together with the laboratories outside London, but that would have demanded another set of officials, and in the end that suggestion would have been more expensive than putting the whole of their head-quarters' work into one building. The new site was close to the offices of the National Pharmaceutical Union, the British Medical Association, and near the University of London. They wanted to get more in touch with the University. The architect's first estimate was about £400,000, but they had got it down to \$310,000. That still seemed a fabulous sum, but it was the lowest they could get, and the contract had been signed for that amount. It had been said this cost would result in the raising of the statutory fees, but he assured them there was not the slightest intention of putting up those fees. In his view the average chemist in the country paid as much as he could possibly afford to pay out of his income. They hoped to get considerable financial help from certain interests, and individual members might also like to make contribution, an item of ros. a year having been mentioned. Mr. Anteliffe detailed the accommodation that would be provided and said the building would be ready in 1941, the centenary year of the Society.

A collection was then taken, and this realised £17 ios. The president, in announcing this, said it had not reached the previous year's figure, but he thought it was a good effort.

#### Criticism of the New Building

Mr. Pickering, proposing a vote of thanks to Mr. Antcliffe, paid tribute to his character and sincerity. When he first heard the subject Mr. Antcliffe was to speak on he had had some misgivings, because he thought it ought to have been considered at an ordinary meeting of the Branch. He could hardly describe his feelings when he heard they were to spend a sum of £310,000 to provide a home for the Society. Before the end of the voluntary system the Society was supported by about one-third of the chemists and the available funds for the Society amounted to £150,000. That was a remarkable heritage to hand over to the whole body of chemists, raised as it had been by the self-sacrifice of a voluntary body over

a period of one hundred years. He did not think that that  $\pounds_{150,000}$  represented the wealth of the Society. He had hopes that out of that sum the Society would have shown some feeling of gratitude to that voluntary body of men by establishing a pension scheme for pharmacists. To his mind a pension scheme would play an important part in their work. Some consideration was due to the future generation of pharmacists. The young pharmacist had two roads to go along. He could join a multiple concern, receive a salary, have easy conditions of labour and, in comparison with the man in private practice, freedom from financial worry, and at the end of his period of service a pension. If he chose to start on his own account—and he wanted them to remember that the Pharmaceutical Society was brought to that £150,000 standard by men who practised pharmacy on their own—he would probably have a difficult time. He would be fortunate if he could put away sufficient funds to retire at fifty-five or even sixty; and it was for that reason he thought the Society, instead of sinking £310,000 into a building, might have done something by way of establishing a pension scheme for the members. He recognised the great work the Society was doing in the matter of research and all its other interests; at the same time a pension scheme would have been something to encourage the younger men to show interest in and help them in the struggle they would have to face. Few men starting business to-day could obtain a good position in a shopping centre because they could not outbid the multiple concerns. Mr. Antcliffe had said pharmacists already paid as much as was possible, and he was afraid Mr. Antcliffe would not find much enthusiasm among them in support of that building. He was sorry the contract had been signed. He did not doubt the sincerity of the members of the Pharmaceutical Council. He knew they realised the position of present-day pharmacy, but some who were in business on their own account had a different outlook—one which emphasised the importance of a strong Benevolent Fund. He was afraid they would need it. That did not deter their appreciation of the services Mr. Antcliffe had rendered that night.

Mr. Denham, in seconding the vote of thanks, endorsed what Mr. Pickering had had to say about the need for a pension

scheme.

Mr. Antcliffe thanked them for their expression and for the collection. He assured them the new building was not his building, but he recognised the difficulty the Society was up against. The cost of building in London was heavy. In regard to the pension scheme, the Council was at the moment dealing with one aspect of it. They were getting out figures for an insurance scheme which would be submitted to them in due course.

#### **Educational Difficulties**

Mr. Harry Orr, proposing "The Guests," referred especially to Mr. Robinson (Clerk to the Insurance Committee); Inspector Howarth (Air-Raid Precautions lecturer); Mr. Stephenson, and Mr. Blomley. He congratulated Mr. Blomley upon the organisation of evening classes where there was an attendance of something like 1,500 students each night, 600 of them adults.

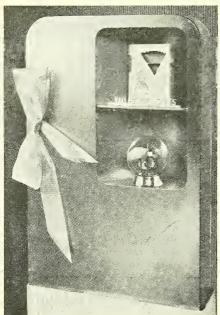
Mr. Blomley, replying for the visitors, said the Technical College owed a great deal to pharmacy. The Branch had the right man among the governors of the College in Mr. Pickering, who, he could assure his audience, was just as forceful in that capacity as he had shown himself that night. There was a difficulty in regard to pharmacy students. As a college they wished to help the Society, but it was not so easy as some years ago, since there was a difference between the London University and the board for the Universities of the North. The Pharmaceutical Society told students that before they could enter their profession and become registered they must have an entrance examination equal to that for a university, but in the North students were told they must have an entrance examination superior to the school-leaving certificate. This meant that when a student in the North had reached school-leaving age at the secondary school he had to go on to a further examination and remain longer at school; this would make it difficult for pharmacists in the North to recruit their apprentices. Mr. Stephenson also replied.

## Suggestions for Christmas Display

HRISTMAS window display should not be thought of as gift merchandise surrounded with seasonable decorations. The average display consists of a window made to look "nice and Christmassy," with plenty of cotton wool for snow, some tinsel, a number of little coloured lights, and, of course, as many suggested gifts as can be crammed into the window. Far too many shops employ this method year after year, with little or no attempt at variation, and the result is that the throngs of Christmas shoppers give the windows their usual casual glances and overlook most of their contents because their attention is not riveted upon any specific item displayed. The first essential, therefore, is to have a focal point. This need not be in the centre of the window, but it should be so placed that the attention which it attracts is immediately transferred to some object on sale. In this connexion, the advice given at the end of a recent article on lighting (C. & D. November 5, p. 507) bears repeating, namely, that a turntable makes a good focal point, particularly if thrown into promi-

miniatures of frost-bespattered or green metallic fir trees and holly trees in little red wooden tubs are obtainable this year. These are about 9 in. to 1 ft. 6 in. high and make a pleasant and seasonable "punctuation" for shelf displays. Among the larger artificial fir trees, suitable for decorative use with coloured lamps inside the shop, is one variety which can be collapsed like an umbrella and stored away in its own box for use again another year.

Notwithstanding the fact that Christmas nowadays is almost invariably "green," tradition demands suggestions of frost, icicles and snow in the window given up to Christmas merchandise. The first-mentioned can be simulated by means of glitter powder. This is obtainable in fine or coarse qualities, in silver, gold, red, green or blue, in one-lb. or twelve-lb. lots. Icicles can be represented by fringes of tinselled crepe, supplied in dozen lots, 3 yards long and 5 or 8 in. deep. Snow can be represented by cotton wool upon which glitter has been sprinkled, and this year it is possible to obtain a more realistic





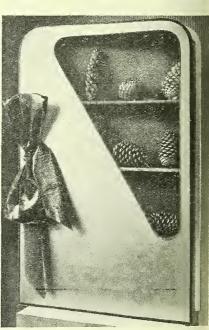


Fig. 1.—Plywood display-stands in the form of Christmas cards

nence by a spotlight, so that animation and illumination combine to ensure concentration upon a particular item of merchandise. Alternatively, these revolving devices can be obtained with illuminated stencilled lettering around their sides.

A seasonable display device which should prove useful as a focal point in a number of chemists' windows given up to gift displays is a giant Christmas card with a large bow on one side and a display recess occupying the position normally taken by the picture or design on the front. Examples of this device are obtainable in various shapes, sizes and colours. In the larger ones the recesses are fitted with two or three shelves, others with one shelf at the bottom of the recess have a decorative background (fig. 1). The word "Gifts" or other appropriate wording could be added to the front of the card in letters cut out of metallic paper. A few rolls of this material in gold, red or green will be found helpful in producing vivid splashes of seasonable colouring as bright settings for the merchandise. It can be obtained in rolls 11 yards long, 20 inches wide, and might be used with advantage for covering window bases, shelves, and possibly even the panels of the enclosure.

The Christmas-tree motif makes an appropriate background. It should not be difficult to cut sharp outlines of the tree in green metallic paper or dark green fabric and attach them to the window back. The same idea might be employed for display recesses or alcoves inside the shop. Some delightful little

imitation snow, which is claimed to be fireproof, light in weight, and easily cleaned. It is supplied in blocks of standard size, capable of being cut to suit requirements. An unhackneyed decoration for the two top corners of the window would be a cluster of fir twigs with natural cones and a spray of artificial

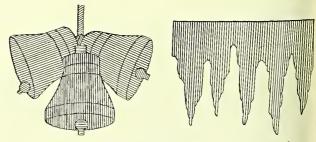


Fig. 2.—Decorations cut from coloured corrugated board

holly leaves and berries. The cones are given a frosted effect. These sprays are 15 in. long. For the last few years, metallic garlands, streamers and pendants have been popular for

window-top and shop-interior decoration. This year an alternative is available in the form of garlands of green gelatine with

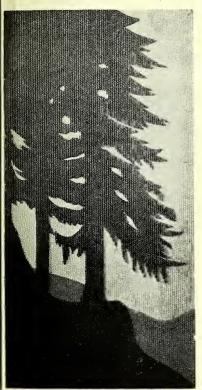


Fig. 3.—Decorative panel in cut-out corrugated board of three colours

colours. The cost is but a few shillings per length. There is another variety with glitter powder applied to give scintillating high lights. The chemist who decides to instal a corrugated background this Christmas can have bright modern windows at small cost; with a little ingenuity he can create a variety of attractive effects. The board is flexible and easily cut with shears; one very attractive method is to cut out designs in one colour and apply them to a background of another colour.

Fig. 2 shows a simple cluster of bells cut out in this way and completed by simple lines drawn or painted on to the bell shapes, together with an icicle effect which

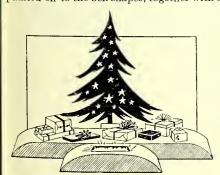


Fig. 4.—Stars cut in plywood with lamps behind

riched by the corrugations of the board, and altogether the window-dresser has an excellent, ready-made medium at hand.

silver tinselled bells attached. Many varieties of specially designed Christmas pelmets can be obtained which add a bright effect to the upper portions of the windows.

Among the many new materials offered by dealers in display material is the new coloured corrugated board. The even lines of the corrugations give a pleasing surface and come as a relief to plain flat backgrounds. Corrugated board requires no further stiffening, and is easily applied to the background. It provides an excellent setting even when applied in its simplest form — flat against the background - while offering possibilities of use in many other ways. The board is obtainable in lengths of ten feet and in varying widths up to 4 ft. 6 in., in red, green or gold — the Christmas

is cut out of white

board and applied

as a frieze. Fig. 3

shows a complete panel of Christmas fir trees obtained

by cutting out the shapes in one

colour and apply-

ing them to a panel of another.

An effective back-

ground, the materials for

should cost but a shilling or two, is thus provided. The

material are en-

which

An important aspect of Christmas windows is the lighting to be adopted. At this time of the year the success of a window depends very often upon lighting that is designed to produce novel colour effects. At Christmas-time novelty lighting is expected by the majority of customers at even the smallest establishment, and no windows should be left plain

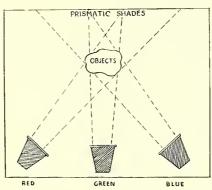


Fig. 5.—Arrangement of coloured lighting

if it is practicable to stage in them some special lighting effect. The most simple form novelty is the flasher, a device by which the light is intermittently switched on and off. True, the use of just a flasher by itself does not arouse any special interest today, but a little imagination brought into play will effect surprising and arresting results. For example, in Fig. 4 the main attraction

is a Christmas tree made from plywood and painted green. The stars are cut out of the board and lampshade parchment stretched across the holes at the back. A lamp on a flashing adaptor, placed behind the larger stars, produces a twinkling effect at practically no cost.

Colour lighting of some form is especially desirable at Christmas, and one of the simplest methods of introducing it is by the use of gelatine colour-shades in red, green and blue, placed over the existing reflectors. Where the three colours fall together on a surface a white light is produced and the goods are shown in their actual colours, but in the shadows beautiful prismatic tones are seen (see Fig. 5).



Fig. 7.—Group of "cubes" and panel Fig. 8.—Shelfed Christmas tree

One of the simplest types of window fittings that can be made for Christmas gift display is a three- or four-tiered stand, the vertical portion of which is shaped to resemble a Christmas symbol. Examples of these are shown in Figs. 6 and 8. Plywood or wallboard can be used for this purpose, the former being generally preferred as more rigid. The shape is drawn on the wood first, or pasted on in the form of a paper pattern (on the same principle as that employed for fretwork), and then cut out with a fretsaw or key-hole saw. The shelves, which can be stuck on, hinged to, or slotted into the upright portion, are covered with red metallic paper, and the shape of the tree is painted in dark green or covered with green metallic The part of the candle resembling wax may be faced with a dull-white paper or fabric, and the flame portion represented with gold and red metallic paper, and the shelves covered with alternating red and gold. The display device shown in Fig. 7 can be made large enough to occupy a whole window or small enough for a grouped display of gifts in the centre of a window of ordinary merchandise. The back portion consists of a plain panel of plywood, painted dark green or covered with a dull dark-green cloth, in which the word "Gifts" has been cut out with a fretsaw or key-hole saw.

SKIN CLEANSER

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## Trade Notes

PLASTERS.—Hilustrated on this page is one of the display stands issued by William Mather, Ltd., Dyer Street, Man-



chester, 15, to promote the sales of Mather products. Other display material is available and may be obtained on application.

Window shows.—Ex-Lax, Ltd., Slough, Bucks, have produced a three-plane window show which we are informed was



designed as a result of a market investigation carried out earlier in the year. This display, which is colourful and measures 14 in. deep by 18 in., is illustrated on this page.

MEGGESON BISMUTH DYSPEPSIA TABLETS.—Illustrated on this page is one of the new packages for Meggeson bismuth tablets,



which acts as container and display package. The new method of packing is described on a special leaflet superimposed on the neck of the bottle. This leaflet directs attention to the fact that the label and carton are a little different, and the alteration is intended to make the directions easier to read. The formula of the tablet remains unaltered. The actual pack for stock purposes has been arranged so that the cartons and sections are held firmly by cardboard tongues to prevent breakage. We understand from the makers,

Meggeson & Co., Ltd., Llewellyn Street, London, S.E.16, that these dyspepsia tablets have an increasing demand, and chemists will be interested to know that a national advertising campaign has begun.

Rubber gloves and finger stalls.—Herbert Fromm, 29-31 Oxford Street, London, W.I, has sent us specimens of showcards for counter or window display directing attention

to their rubber finger stalls and gloves. It is stated that these will not perish for three years under normal conditions. The gloves may be used for washing, scrubbing, car cleaning, gardening, etc.

Albolene skin cleanser.—This product is made by McKesson & Robbins, Ltd., Eagle House, 90-96 Cannon Street,

London, E.C.4, and is a non-perfumed product used primarily in hospitals for babies and recommended for the care and cleansing of the skin. It is a bland, non - irritating emollient which cannot turn rancid and does not promote the growth of hair. It may be used for the removal of make-up. Albolene is packed in pots containing 93 grammes. A counter- or window-display stand which carries a pot of the product is illustrated on this page.

ACTION AGAINST PRICE-CUTTERS.—Scott & Turner, Ltd., Andrews House, Newcastle-on-Tyne, 2, publish a

facsimile of a recent High Court Order in connexion with the price-cutting of Andrews liver salt.

BOOTS MEDICAL SPECIALITIES.—Boots Pure Drug Co., Ltd., Station Street, Nottingham, have issued a price list of their special medical products.

"RADIO TIMES" ADVERTISERS.—"Radio Times," journal of the British Broadcasting Corporation, reaches three million families weekly. Sanatogen, Dettol and Mason Pearson brushes are selected as outstanding examples of products regularly advertised, and there are many more which are mentioned in the advertisement pages of this issue.

KORAY FIRST-AID CABINET.—The proprietors of Koray tablets are offering in return for the carton of the 1s. 3d. size packet of Koray, together with 1s. 3d. for cost of packing etc., a first-aid cabinet which is illustrated on this page. It is ready for



wall-fixing. A complete list of the contents of the Koray cabinet is given elsewhere in this issue. Further details in regard to bonus parcels are also outlined or may be obtained from Koray, Ltd., Gillespie Road, London, N.5.

Wellcome Photographic Diary.—Burroughs, Wellcome & Co., Snow Hill Buildings, London, E.C.I, have recently issued the 1939 Wellcome Photographic Exposure Calculator, Handbook and Diary. The great value of the Diary to photographic dealers is that it encourages customers to do their own developing and printing and supplies information on a vast range of subjects constantly needed in pursuit of photography. In the 1939 edition the recent advances in film-speeds are reflected not only by changes and additions to the speed-factor columns but by the new design of the calculator disc to accommodate higher figures.

### **Marriages**

BLYTHE—WILSON.—Recently, Frederick E. F. Blythe, chairman of William Blythe & Co., Ltd., chemical manufacturers, Church, to Sarah E. L. Wilson.

GORRY—STAUNTON.—On October 26, Joseph M. Gorry, M.P.S.I., son of Mr. Joseph Gorry, M.P.S.I., Naas, to Francis

HUTCHINSON—BADGER.—On November 2, Andrew Hutchinson, Aughrim, to Oonagh Adeline, daughter of Mr. Samuel S. Badger, Ph.C., Magherafelt.

Tombs—Gillibrand.—At Billingshurst Church, Sussex, recently, F. E Tombs to Doris Gillibrand, M.P.S., daughter of Mr. Oscar Gillibrand, M.P.S., Billingshurst.

WRIGHT—LOCKERBIE.—At St. Paul's Church, Ambala, India, on October 20, Captain David Wright, to Mysie, daughter of Provost John Lockerbie, M.P.S., Dumfries.

#### Deaths

ARRANDALE.—Recently, Mr. John Samuel Arrandale, Ph.C., Markland Hill Lane, Heaton, Bolton, aged sixty-eight.

BATES.—Recently, Mr. Thomas William Bates, 52 Crouch Street, Colchester, aged ninety-three.

Bertram.—Recently, Mr. Alexander Bertram, M.P.S., Stockton-on-Tees, aged sixty-two. A native of Peterhead, Mr. Bertram was at Methil, Fife, before going to Spennymoor, co. Durham, where he was in business for many years. He served his apprenticeship with Mr. J. F. Tocher and later went to Edinburgh, where he qualified.

BLAIR.—Recently, Thomas Blair, M.P.S., 19 Highburgh Road, Partick, Glasgow, W.2, aged seventy-seven.

BOOTH.—On November 2, William Booth, M.P.S., 56 St. Nicholas Road, Woolwich, London, S.E. 18, aged seventy.

BROOKE.—On October 24, Mr. Frank Brooke, Market Place, Doncaster. Mr. Brooke passed the Minor examination in 1899.

CHAPMAN.—At Hull, recently, Ingram W. Chapman, aged eighty-two. Mr. Chapman, who qualified in 1881, was formerly in business at Crowle, Lincs, and subsequently for thirty-one years at Charles Street, Hull, where his business became one of the best known in the centre of the city. He was a past-president of the Hull Chemists' Association. Mr. Chapman is survived by his wife, the fifty-seventh anniversary of their wedding having been celebrated so recently as September 28.

Dunford.—Recently, Mr. Walter Henry Dunford, Ph.C., North Street, Bedminster, Bristol, aged sixty-two.

GOATCHER.—On October 18, Mr. William John Goatcher, M.P.S., North Road, Kew Gardens, Surrey, aged sixty-eight.

Gregg.—Recently, Mr. Wilfred Gregg, M.P.S., 82 Baddow Road, Chelmsford, aged twenty-nine.

JONES.—On October 25, Mr. John Lewis Jones, M.P.S., 79 Union Road, Newington Causeway, London, S.E.I, aged forty-six.

Low.—At Hexham, recently, Mr. David Low, Ph.C., aged seventy-seven. Mr. Low served his apprenticeship with Bell & Riddle, chemists, Hexham, and was afterwards a director of Low & Hare, Ltd., wholesale and retail chemists, in that town.

RONALDSON.—At his residence at Forest Hill, London, S.E., on November 15, Mr. John Ronaldson, aged ninety-seven. Funeral private at Abbey Church, Haddington, East Lothian. No flowers. Mr. Ronaldson founded the London firm of drug merchants bearing his name in 1858, and was well known and much respected on the London and Continental drug markets.

Rosie.—At Birkiewood, Jackson Street, Penicuik, on November 9, Mary White, wife of George Rosie, M.P.S.

Williams.—On October 19, Archibald Williams, M.P.S., 287 Queens Road, London, S.E.15, aged sixty.

Wrightson.—On November 14, after a short illness, Mr. George Benjamin Wrightson (Midlands representative of G. B. Kent & Sons, Ltd.). Mr. Wrightson was with the company for thirty-seven years.

#### Personalities

Mr. Eirwyn Owen, M.P.S., Bangor, North Wales, has been elected chairman of the United Chemists of Wales.

Mr. H. Cox, M.P.S., Matlock, gave an address to the local Rotary Club on October 17 on ''The History of Perfumes.''

Mr. Lewis Chambers has been appointed an Alderman by the Halifax Town Council. Mr. Chambers has been a member of the Town Council since 1927, and chairman of the Health Committee since 1923. He is a past-president of the Halifax Branch, National Pharmaceutical Union, and of the Halifax Pharmaceutical Association. Alderman Chambers is prominently connected with the St. John Ambulance Association and was for some years secretary of the Halifax Corps. He is an active worker in the Methodist Church, in which he is a local preacher.

Mr. D. J. Williams, B.Sc., Ph.C., barrister-at-law, who was

recently elected chairman of the Bath Branch of the Pharmaceutical Society, qualified in 1899 after studying at the Metropolitan College of Pharmacy, at which he won the silver medal. He had experience in hospital, retail and agricultural pharmacy before re-turning to the Metropolitan College to take his Pharmaceutical Chemist examination, upon passing which he joined the teaching staff. In 1907 he became head of the Bath and West of England College of Pharmacy, and in 1929 arranged for its absorption into a new School of Pharmacy at the Merchant Venturers' College, Bristol, of which he became head, a position he still holds. He will shortly have completed forty years of pharmacy teaching. He obtained his B.Sc.



MR. D. J. WILLIAMS

degree some years ago, taking chemistry as principal subject, and later, after passing the examination of the Spectacle Makers' Company, he opened a department at the Bath College for the teaching of optics. He was called to the Bar (Gray's Inn) in 1926. On three occasions he has been chairman of the Bath Branch of the Pharmaceutical Society, the last time being in 1924, the year of the Conference visit to the city. Mr. Williams is an honorary member of the Bristol Branch and serves on three National Health Insurance committees (Pharmaceutical, Pharmaceutical Services and Joint Services). He has gained numerous masonic honours and has on several occasions been a contributor to the C. & D.

## Coming Events

#### Tuesday, November 22

Chemical Society, Connaught Rooms, Great Queen Street, London, W.C.2, at 7 p.m. Annual dinner and dance.

Liverpool Branch, Guild of Public Pharmacists, Royal Institution, Colquitt Street, at 8 p.m. Address by Mr. C. H. Sykes, Ph.C.

West Middlesex Chemists' Association, Palladium Cinema, Ealing Broadway, London, W.5, at 8.45 p.m. Members' night. Speakers: Messrs. A. A. Hunt, F. R. C. Bateson and H. G. Kirby.

#### Wednesday, November 23

Bedfordshire Branch, Pharmaceutical Society, Dujon Restaurant, Bedford, at 9 p.m. Benevolent Fund dance.

London College of Pharmacy, Criterion Restaurant, Piccadilly, London, W.1, at 7.30 p.m. Annual reunion dinner-dance.

National Pharmaccutical Union, Holborn Restaurant, London, W.C.2. Annual meeting of the Chemists' Friend manufacturers.

Wimbledon Pharmacists' Association. Visit to Horlick's Factory, Slough. Coaches leave Wimbledon Town Hali at 1.45 p.m.

#### Thursday, November 24

Liverpool School of Pharmacy Old Students' Association, Reece's Ballroom, Parker Street, Liverpool, at 8 p.m. Dance.

#### Saturday, November 26

British Association of Chemists, Waldorf Hotel, Aldwych, London, W.2, at 3 p.m. Aunual meeting. At 7 p.m., annual banquet and dance.





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THE

## CHEMIST AND DRUGGIST

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#### Gatherings from Speeches

At the Southport Benevolent Fund dinner fully reported elsewherein this issue (p. 549) there were some piquant comments made by Mr. Herbert Antcliffe (a member of the Society's Council), the guest of the evening, and Mr. Pickering, who proposed the vote of thanks to Mr. Antcliffe. The main point was the new building—a subject which is likely to be discussed at many such functions for some time to come, despite the fact that the mortgage for the new building was approved on February 6, 1937. In Mr. Antcliffe's opinion, the sum at present mentioned as the cost, namely, £310,000, seemed a fabulous one. He assured his listeners that there was not the slightest intention of putting up the statutory fees, but as is common knowledge the building will have to be subsidised, or as Mr. Antcliffe put it, they hope to get considerable financial help from certain interests. It is remarkable that pharmacy requires a building which it cannot afford without compassionate allowances from outside sources. Although the statutory fees have not to be raised, apparently individual members may be expected to make contribution of a sum of ios. a year. It is somewhat bewildering to come to the conclusion that the chemist must pay £1 11s. 6d. and be invited to contribute 10s. a year in order that the statutory fees should not be raised. Reverting to the reason for the dinner, namely, to gather funds for the Benevolent Society, this complacent remark that each member of the Society should contribute 10s. to the building, whereas according to the report of Mr. Antcliffe's statement the average contribution of chemists to the Benevolent Fund was only one halfpenny, suggests an optimism on the part of the Council of the Society which one fears has no foundation. Mr. Pickering confessed that he could hardly describe his feelings when he learned that so large a sum was needed to provide a home for the Society. The majority of pharmacists throughout the country, are probably in full agreement with Mr. Pickering, yet at the February meeting referred to there were no dissentients, and pharmacy has

had this enormous burden placed like a millstone round its neck without protest. Whatever pharmacists may think of the new building, it is now definitely arranged for, but there are many ways in which the Council of the Pharmaceutical Society could husband their income and apply it to ease the growing burden which the pharmacist of to-day carries. The numerous side-lines conducted at considerable losses will for example sooner or later need serious attention.

At the annual dinner of the Glasgow and South Western Scottish Branch of the Society, Mr. Guthrie in replying pointed out that during his own association with the Society its membership had increased twelvefold. This statement, to those who were unaware of the facts, would probably suggest that the Pharmaceutical Society was very much of a going concern. It is unfortunate that the president did not mention the reason for this enormous increase. Prior to the passing of the Pharmacy and Poisons Act and before compulsory membership became law, the membership of the Society was round about 10,000. The additional 14,000 are forced to subscribe by law, but this does not mean that the register of the Society has been increased by 14,000 enthusiasts for the work done on their behalf by the Council of the Society.

Air-raid precautions have been so fully covered in preceding numbers of The Chemist and Druggist that it is perhaps invidious to continue, yet at Enfield Mr. S. Chedzoy, local air-raid precautions officer, addressed the meeting on "Air-Raid Precautions in Relation to Chemists." A quaint statement of his was that chemists could act as gas-detection officers only after business hours, as the nature of their business prevented them from taking part in air-raid precautions during those hours when they would be needed by the public. This may suggest that chemists should undertake this work as a matter of relaxation.

#### A Pharmaceutical Business Census

EVIDENCE of the work of the Committee of Inquiry established some time ago to investigate the conditions under which pharmacy is practised in Great Britain is now forthcoming. It takes the form of a census of retail pharmaceutical businesses. So far as we are aware, there is no indication as to how this census is to be used in furthering the claims of pharmacists for better recognition. such a census is apparently essential before a policy can be formed in solving the problems of pharmacy. Without considering at present the value of such a census, one is astonished at its nature, its length and the variety of questions asked. There are no less than fifty inquiries, and as there are two years (1930 and 1937) to be considered, the pharmacist who undertakes the herculean task of filling in the data required, must set aside several hours if he is faithfully to answer the questions put to him. It is doubtful whether the majority of pharmacists could answer all the questions, but as it means practically laying bare the innermost secrets of their business, they are likely to resent such intrusion on their private affairs although not asked to sign the form. The chemist is asked even to give data regarding conditions in the district served by his pharmacy, any one question of which would take at a moderate estimate a week to answer. No census paper, the completion of which is enforced by law, and no means-test investigation, also enforceable by law, could possibly probe so deeply into the business life of an individual or company. It would be interesting to learn the reaction of the large chain store companies to a census of this nature. It would mean many

weeks' work for their statistical departments which have already much to do in dealing with the daily managerial reports from their various branches.

As mentioned above, chemists are asked not to put their names and addresses on the form, so as to preclude any possibility of the business being identified. Whether an anonymous census paper is of value must be left to the imagination or to the imagination of those who have promoted such a complicated scheme. To prophesy is always unwise, and is usually unnecessary, yet it will be a miracle if anything like an adequate response is received. The cost of such a census must be considerable since approximately 13,000 shops have received or will receive the forms, and there would be, if the scheme is successful, a colossal amount of time, labour and expense spent in collating the results. If the end justifies the means, then there is nothing more to be said, but the question—to what purpose?—remains for the present unanswerable.

#### Better Business

The returns for our international trade for October are surprisingly good. Some allowance must be made for a thirty-one-day month and the fact that the tenth month of the year is usually rather above average, but even so the aggregates are highly satisfactory when compared with any of those of the previous nine months. The total value of imports of all classes of merchandise in October was the third highest for the year and shows an increase of over £4,000,000 on the September figures. Exports are the best of the year, being £4,200,000 up on September, which were over £2,400,000 better than the August figures. The recovery in two months was approximately £6,600,000. Compared with the figures for the corresponding months of 1937, our imports in October were down by about £17,000,000, while our exports declined by less than £5,000,000. For the ten months the 1938 figures are imports £69,250,000 less and exports £57,000,000 less than

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All Classes of Merchandise	Imports	Exports of U.K. Goods	Total Exports, including Re-exports
October, 1938  ,, 1937  1936  JanOct., 1938  ,, 1937  ,, 1936	£ 79,034,856 96,198,655 80,531,920 769,577,334 838,318,992 688,108,963	£ 42,559,996 47,216,048 41,764,413 389,165,406 432,858,531 361,786,012	48,005,979 52,914,579 46,324,593 440,890,670 497,880,279 412,055,685

The aggregates for the "Chemicals, etc." group, particularly as regards exports, are the best recorded for about two years. The buoyancy of trade in this class of goods is reflected by an increase of no less than £1,282,300 in the total value of shipments inwards and outwards in October compared with September, approximately a 20 per cent. increase in turnover. Imports increased by £634,000 and exports by about £648,000. For the first time this year the month's figures are better than those of the corresponding month of 1937, as regards imports, exports and re-exports. As a result of this all-round improvement, the ten-month's totals for this year are now close up to the relative 1937 totals and are well in excess of the 1936 figures. The credit balance for the group for January-

October stands at £7,651,700, which is well up to the average of recent years.

Chemicals, Dyes, Drugs		Octobe	r	January–October			
and Colours	1938	1937	1936	1938	1937	1936	
Imports Exports of U.K. manufacture Re-exports	£'000 1,819 2,345 63.6	£'000 1,294 2,095 46	£'000 1,216 1,910 35	£'000 11,059 18,412 398·7	£'000 11,298 20,741 388·6	£'000 10,381 17,334 341·4	

The chief sources of our imports of "Chemicals, etc." during October and January-October, respectively, were: Germany, £508,374 and £3,379,870; United States of America, £530,531 and £2,177,699; France, £106,806 and £846,741; Switzerland, £110,243 and £689,059; Belgium, £84,865 and £514,006; Holland, £89,911 and £456,410, and Canada, £63,892 and £451,253. Imports from Italy increased to £25,962 and £163,694, while Spanish goods declined to £4,974 and £49,203. Imports from Japan show a progressive decline and total only £59,443 for the ten months, the October figures of £5,716 being the lowest for some years. Empire countries continue to be the chief purchasers of our chemicals and allied goods, as shown by the following list of chief destinations of our exports: (October and January-October): British India, £326,455 and £2,392,216; Australia, £214,281 and £1,659,579; Union of South Africa, £197,031 and £1,439,939; Eire, £122,929 and £940,206; Canada, £190,807 and £946,059; New Zealand, £100,558 and £680,555, and France, £44,700 and £633,733. Our shipments to Spain for the ten months totalled £228,192, compared with £115,329 in the corresponding period of 1936. Exports to China have declined sharply, totalling £120,546 so far this year, against £476,376 during January-October, 1937.

#### Senega Shortage

In most instances where there is a world shortage of crude drugs the cause is mostly on account of abnormal conditions and consequent stoppage of supplies at the source. Some China and Spanish products are examples. In the case of senega, however, the present position is not due to dislocation of ordinary commercial business. It seems, rather, that the limited supplies now available is due chiefly to the comparatively small amount gathered last season. The collection of this Canadian natural product in the Winnipeg district usually takes place during August and September. At that time the shipment quotation was depressed with offers at about 1s. 8½d per lb., c.i.f. At this figure it was anything but an attractive proposition to the collectors; hence the "crop" was unusually small. By the end of October, when the position became apparent, shipment prices had moved up to 2s. 1d. and 2s. 2d., c.i.f., and in early November there was only one seller at 2s. 3d. By that time, however, the collecting season was over. Since then there have been no shipment offers, and it is reported that all stocks have been cleared. The large majority of this season's root appears to have been purchased for the London market, and seems to be firmly held. Spot values have moved in sympathy with the shipment market with sellers last August at 1s. 11d. and 2s. in September. In early October offers were made at 2s. 2d., and later in the month at 2s. 3d. Last week 2s. 4d. and 2s. 5d. was mentioned, and the value to-day is firm at 2s. 6d. per lb. for bulk quantities. The present stocks have got to meet the demand up till the end of next September, and they appear to be inadequate if the consumption is anything like normal. It is one more instance in this class of product where sales prices have been depressed to such a low level that collection to the usual extent was not worth while.

## Wages Deductions and Truck Acts

HE object of the Truck Acts, as is well known, has been to prevent employers from paying their employees otherwise than in current coin of the realm, and from making deductions from wages except in the particular cases and in the particular circumstances specified. One such exception that is made is in favour of meals prepared on the premises by the employer and there supplied to employees.

#### A Recent Case

This exception has recently been the subject of important litigation affecting the relationship of master and servant in these respects. The case in question is that of Pratt v. Cook, Son & Co. (St. Paul's), Ltd., and it has so far been two before the Courts. In the Court below, the employee succeeded in establishing that the deductions alleged to have been made from his wages in respect of meals supplied to him by his emp.oyer were illegal, and that he was accordingly entitled to recover from his employer the sum total of those deductions. In the Court of Appeal the tables were reversed, though by a bare majority, on grounds which, as will presently be seen, well illustrate the niceties of the law.

One of the points established in the Court below does not appear, however, to be affected by the decision in the Court of Appeal, and that is that a person is to be regarded, for the purpose of the Truck Acts at any rate, as being engaged in manual labour, if the work he does is principally done with his hands, and the fact that great skill may at the same time be necessary in doing his work does not affect the position.

#### Facts of the Case

The facts in Pratt's case were briefly as follows. The plaintiff was employed as a porter, and he received the minimum wage agreed upon between his trade union and the employers' federation, together with a 10s. allowance for meals, which was also provided for under the above agreement. The actual employers of this particular employee were not, of course, parties to this trade agreement as to wages, which had been entered into with his trade union by the employers' association, so that there was no contract signed by the employee or the employer's agent authorising any such deductions. At the same time it is important to note what was the actual agreement between the employers and the employee. The judge found that the agreement was to the effect that the employee was to be remunerated partly by a money payment and partly by the provision of dinner and tea, which were provided by the employer himself under the employer's own roof. It was therefore a contract for a composite consideration consisting partly of money and partly of food. It is important to bear this fact carefully in mind, because the judgment of the majority of the Court of Appeal turned upon it, the majority being of opinion that there was no deduction at all from wages in respect of the value of the meals provided by the employer. Under the Truck Acts any contract to pay wages of an employee coming within the Acts "in any manner other than in current coin of the realm" is illegal, and so, equally, is any payment otherwise than in current coin. In the above case, accordingly, both the contract to pay partly in kind and the payment in kind were *prima facie* illegal. But the point that had to be determined was whether both the contract and the payment were legalised by the exceptional provision contained in Section 23 of the Truck Acts, 1831. The material part of that section, so far as affecting the above case, provides that nothing in the Acts is to prevent "any employer from supplying or contracting to supply to any [such employee] any victuals dressed or prepared under the roof of any such employer, and there consumed by [such employee]; nor from making or contracting to make any stoppage or deduction from the wages of any [such employee] for, or in respect of, any such victuals. . . Provided always that such stoppage or deduction shall not . . . be in any case made from the wages of [such employee] unless the agreement or contract for such stoppage or deduction shall be in writing and signed by [such employee]."

Fine Distinction Drawn

What the majority of the Court of Appeal have said in Pratt v. Cook, Son & Co. (St. Paul's), Ltd., is that a distinction must be drawn between a contract to remunerate an employee in kind of this sort (i.e., the provision of meals

prepared and supplied by the employer on his own premises), on the one hand, and, on the other, one to make a deduction from the employee's wages in respect of the value of such meals. The distinction, indeed, is a fine one. In the former case the employer agrees to give the employee, by way of remuneration, cash plus meals; in the latter the employer, after agreeing to pay the employee wholly in cash, at the same time or subsequently agree to deduct from his cash wages a sum equivalent to the value of the meals supplied. In the former case no contract signed by the employer is necessary to give validity to the arrangement to pay partly in kind; in the latter, no deduction, even if agreed to by the employee, will be valid unless an express authorisation to do so, signed by the employee, has been given to the employer.

The following illustrations will perhaps serve to make the above point clearer. Suppose the wages in cash are £3 per week and the value of the food supplied by the employer is 10s. per week. The employer may validly contract to remunerate the employee by a payment in cash of £3 per week plus a payment in kind consisting of meals to the value of 10s. On the other hand, he may not agree to pay the employee £3 10s. per week and then to deduct 10s. per week from his salary of £3 10s. per week in respect of food supplied. He can only do so if there is a written contract to that effect signed by the employee. This appears to be the somewhat startling effect of the majority judgment in the Court of Appeal in

Pratt's case.

### Recent Research

Toxicity of Propylene Glycol

As propylene glycol is a better general solvent than glycerin and has greater power of inhibiting mould growth, it is being recommended for use in pharmaceutical preparations. According to Weatherby and Haag ('' Journal of the American Pharmaceutical Association,'' 1938, 27, 466), the acute average fatal dose of propylene glycol in rats is as follows:—

Orally ... 33.5 gm. per kgm. body weight.
Subcutaneously
Intramuscularly
Intravenously ... 4 gm. per kgm. body weight.

14 gm. per kgm. body weight.

16.8 gm. per kgm. body weight.

The toxic effects of the glycol were studied by additions to the drinking water supplied to the growing animals. It was found that concentrations of 3 per cent. or less caused no appreciable change in the rate of growth. A concentration of 10 per cent. caused a temporary slowing in the rate of growth which lasted for about ten days, after which the rate of growth became normal. No significant changes were found in the organs of the animals after killing at the end of 100 days.

Parachlormetaxylenol in Antiseptic Solutions

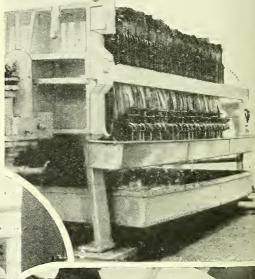
The modern non-toxic antiseptic solutions with Rideal-Walker coefficients ranging between 3 and 7 often contain parachlor-metaxylenol as the antiseptic (the R.-W. coefficient of which in saponaceous solution is 62). Merritt and West, ("Analyst," 1938, 63, 257-259) have recently published a method for its determination in typical solutions consisting of the phenol in soap solutions with essential oils and 10 to 15 per cent. of alcohol. After the addition of caustic soda solution the alcohol is distilled from a measured volume of solution, the essential oil is then extracted with petroleum ether and the soap precipitated with calcium chloride solution. The calcium soap is filtered off, the phenol liberated by the addition of hydrochloric acid and extracted with ether. Absorbed phenol is recovered from the calcium soap by extracting with boiling alcohol, diluting this solution with water and, after removing the alcohol, extracting the phenol with ether. The combined ethereal extracts are evaporated and the parachlormetaxylenol is purified by precipitation with carbon dioxide from a solution of its sodium salt. The phenol is then extracted from the aqueous suspension with ether and weighed after recovering the ether. The melting point identifies the phenol in question. The method was applied with success to a number of solutions containing ethyl and isopropyl alcohol, a number of essential oils (including pine oil, phellandrene, terpineol and the high R.-W. ti-tree oil) and different potash and triethanolamine soaps.

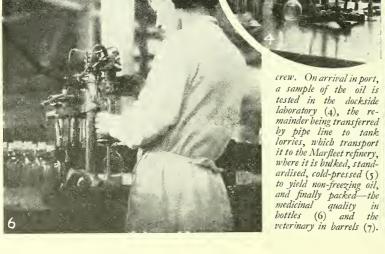
### Harvest of the "Seven Seas"

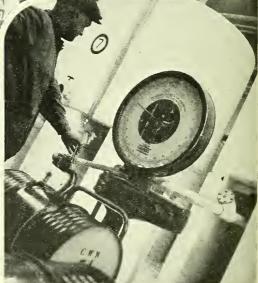




Fishing well within the Arctic circle—off Bear Island, around Iceland, or in the White Sea—the Hull trawlers (1) net their rich catch (2) from the bed of the sea, possibly 1,500 feet down. Before the fish (96 per cent. cod) are packed with ice in the holds, they are gutted on deck. The livers are immediately steamed on board (3) by a selected member of the







## Future of British Cod-Liver Oil

HEN the trawler owners of Hull took the step, four years ago, of entering into production of medicinal codliver oil they adopted a method which, other things being equal, could hardly fail to result in a product superior to all grades then available. They introduced the immediate rendering of oil from the livers on the trawlers without waiting for the return to port. The effect of this policy was to ensure an oil of absolute freshness in flavour and odour. Prior to that time the earliest extraction in any cod-liver oil centre was distant some forty-eight hours from the gutting of the fish, and then only where the fishing grounds were comparatively close to the operating base. Under the new system no opportunity was given for even the commencement of the changes that result in heightening of the fishy odour and flavour, and ultimately, if unchecked, in rancidity.

#### Difficulties Overcome

It must be admitted that, at the start, other things were not equal. A number of difficulties were encountered which nullified the benefits (in blander flavour and less fishy odour) that would be the expected result of immediate rendering of the livers. Chief among these difficulties was the intrusion of livers of other fish. To understand why this occurred and how it was overcome it is necessary to examine what might be called the social conditions of the industry. The main object of the trawling expeditions was—and still is—to obtain fish for consumption in the retail markets of this country (particularly the north country). Skippers took a share of the profits and crews were paid a wage and bonus according to the catch. The remainder went to the owners except that, by a tradition of great antiquity, the livers belonged to the crew. As the possession of the men they were not wasted, but the oil obtained was used for industrial, not medicinal, purposes. For the latter it was unsuitable, or at least too strong in odour and flavour to achieve popularity with the general public, though used by the men themselves (and the belief of fishermen in the virtues of cod-liver oil goes back far beyond its introduction into the armamentarium of the medical profession). The right of the men to the livers has been jealously guarded, but to-day the owners purchase the total production from them. To avoid the eventuality that other livers might be put into the rendering kettles, a system has been devised by which the men are paid both for the oil obtained from the cod livers and for the livers themselves of all other kinds of fish. The latter, if not entirely valueless, are without use in medicine. It might be thought that this system would, while satisfying the men, result in loss to the owners, but actually the proportion of cod to the combined total of all other varieties of fish landed at Hull to-day is 96 per cent. The other 4 per cent. represents fish incidental to the trawl for cod. Cod has become the prime objective of the fishing, other varieties of fish being left to other fishing centres to secure, and it is claimed that the oil produced at Hull is as near free from the oil of other fish livers as it is humanly possible to guarantee.

#### Standard and High-Potency Oils

To-day, then, the British product is able to compete with all others on this score of freedom from adulteration by other livers, while the benefits of the boiling at sea are to be found in a product as bland and as nearly odourless and tasteless as can be obtained. The methods of production, testing, and standardisation remain substantially as described in these columns in the Annual Special Issue of 1936 ("Britain's Cod-Liver Oil Industry," C. & D., 1936, I, 757), but the position has changed in certain respects. The producers found that at all seasons there was no difficulty in securing a medicinal oil complying with all the requirements of the 1936 Addendum to the British Pharmacopeia, 1932. The initial tests are carried out at the dockside laboratory immediately on arrival in port of the trawlers (thirty to forty daily), a system which necessitates the analytical workers commencing before 7 a.m. each day. The tests cover water and mucilage content, colour, odour, taste and vitamin-value. Uniformity is ensured by bulking the oils, according to the results of the first tests, in a tank of 250-ton capacity, situated at Marfleet. As complete

chemical and biological testing is a considerable expense, the system of bulking, besides facilitating the achievement of a uniform product, is a measure of economy. Afterwards the oil is transferred to smaller tanks, making way for new arrivals. Filling of the barrels for dispatch is, in fact, carried out-from five-gallon and fifty-gallon tanks facing one another in an avenue in the refinery. A peculiarity of the cod is that at the spawning season the oil content of the liver is outstandingly richer both in volume and in vitamins present than at ordinary times. Advantage has been taken of this fact to keep the oil obtained at this time separate from the standard oil, and it is presented as Sevenseas high-potency oil—four times as rich in vitamins A and D as the Pharma-copæia sets forth for cod-liver oil. With this product the dose is reduced to five drops, thus offering a product that goes far to compete, on the score of dosage, with halibut-liver oil, a competitive medium into the relative merits of which it is not necessary to enter in the present discussion. It is desirable to emphasise that high-potency cod-liver oil is not in any sense a concentrate. It is a natural and pure product.

#### Marketing Policy

The producers consider that the standard has now reached a point at which it cannot be improved upon, and a new policy has been adopted in marketing the Sevenseas oils. The retail price is protected under the P.A.T.A., and all three Sevenseas products (B.P. oil, High-Potency oil and High-Potency capsules) have been listed under the Chemists' Friends scheme. The oils are bottled at the refinery at Marfleet, Hull, and a widespread advertising campaign in the Press is about to begin in which stress will be laid on the freshness and palatability resulting both from the method of rendering at sea and from the immediate bottling. Another point that will be emphasised will be that only small doses are necessary, even of the standard grade (maximum one teaspoonful). Amber glass is not used for the Sevenseas oils, but there is an outer wrapping of transparent tissue which is guaranteed to give complete protection, even in bright sunlight, from decomposition of the vitamins.

#### New Markets for the Oil

In view of Press publicity shortly to be given, it is opportune to consider a modern and spectacular development in cod-liver oil therapy. This is the use of cod-liver oil externally in the treatment of burns. The method has been extensively tried out at Liverpool under Dr. John P. Steel ("Lancet," 35.2.290), under whom it is now almost a routine treatment for burns. The main advantage is that, no matter what first-aid treatment has been applied, virtually no preparation of the affected part is necessary before the lint, heavily soaked in cod-liver oil, is applied. From time to time the lint is resoaked without removal; and not before forty-eight hours have passed is the lint taken from the skin. "Where cases have not reacted previously to the ordinary dressings it has been found that cod-liver oil hastens recovery, and the speed with which an indolent area is transformed into one of healthy granulation is remarkable. The treatment, too, is popular. Almost every patient has said that the first application of codliver oil has given much greater ease than other dressings." The advantages are the ease obtained from the very first dressing, abolition of the need for frequently changed dressings, and almost total elimination of scar tissue.

Developments in feeding of cod-liver oil to livestock are no less important. In this connexion the company has done much to demonstrate the gain to be derived by poultry-keepers from the use of the oil. In the biological station at Marfleet prolonged tests have been made on chickens. Feeding exclusively on a recognised chicken diet, but without cod-liver oil, was found to result in 100 per cent. mortality within five weeks. Addition of cod-liver oil produces healthy, heavy birds that have high laying records and fetch higher prices in London markets than average birds. Recently, at Reading University, a series of experiments was carried out on pigs, which, fed on a diet minus cod-liver oil, lost weight, vigour and appetite. These troubles were corrected by the use

of cod-liver oil.

## Pricing Insurance Prescriptions

Mr. W. Haigh, M.P.S. (superintendent, North-Western Pricing Bureau) addressed the Liverpool Chemists' Association

and Branch of the Pharmaceutical Society on November 1 on "Prescription Pricing." Mr. John Rae presided.

Mr. Haigh said it was not so long since he was behind a counter himself. Often, after dispensing a particularly awkward prescription or perhaps an unusually expensive one, the question arose "What will we get paid for that?" The Bureau had no option but to work to the terms therein. If there was any criticism to be made, it should be on the Tariff and those responsible for compiling it. In the terms of service there was a clause which stated that all drugs and appliances should be supplied free of charge. Only recently his attention had been drawn to a prescription on which the doctor had endorsed "Patient to pay half." The doctor was wrong, and the chemist must not in any circumstances accept any such payment. The only money he could accept in connexion with a National Health Insurance prescription was a deposit for the bottle. The Bureau did not claim to be infallible, but it was extremely rare for them to be beaten by a script, and even then it was usually when the doctor had changed his mind and superimposed one item on another. In any case there was never any guesswork. If a prescription was so badly written as to leave room for doubt as to what was intended, they took the view that the chemist had probably made some inquiries before dispensing the prescription and they asked him what he had supplied. At the same time, they drew a distinction between bad writing and careless read-The chemist was expected to use a reasonable amount of skill in reading as well as in dispensing.

#### Drug Tariff the Criterion

Some chemists appeared to think that the Drug Tariff was merely a list of prices. It was a great deal more than thata list of prices which had been agreed between the Ministry of Health and the National Pharmaceutical Union. The Bureau had no option or discretion in the matter. It was clearly laid down "the charge shall consist," not "may" or "should." The charge must consist of the price of the drug, preparation, etc. (the ingredient price) and a dispensing fee in respect of the prescription as a whole. On the question "What is a prescription?" the Bureau had to be meticulous. The chemist might get an order for cotton-wool 4 oz. and cotton-wool 2 oz. on the same form. It had been agreed between the Ministry of Health and the N.P.U. that any order for two or more sizes of the same dressing was to count as one prescription. An order for one 2-in. and one 3-in. bandage was also one prescription, with one fee; but an order for a 2-in. bandage and 2 oz. cotton-wool was an order for two different dressings, and therefore counted as two prescriptions. It was agreed at the same time that where serums, vaccines or ampoules were ordered, each different strength should count as a separate prescription. It should be noted it was the number of different strengths which counted, not the number of ampoules. same ruling applied to insulin. A chemist had asked about a prescription he had received for a mixture composed of three National Formulary mixtures in one bottle—was he entitled to three dispensing fees or one? It was clearly stated in the drug tariff that one dispensing fee was payable in respect of the prescription "as a whole." The list used by the Pricing Bureau was the list issued by the British Drug Houses, Ltd. Chemists still sometimes asked "Does that mean I must buy everything from B.D.H.?" Of course, the answer was in the negative. Chemists could buy where they liked, and pay what they liked, but they would be remunerated according to the Tariff. It was by no means rare for a chemist to endorse a prescription for an unusual drug with a cost price less than that quoted in the B.D.H. list. In such cases the same clause applied; the chemist must be paid the basic price and not the cost price. Unless the doctor specially ordered a proprietary preparation, the chances were at least 100 to one that it would be priced from the B.D.H. list. A few months previously the Bureau had been accused of using the cheapest list it could find. it was a good or a bad list was no concern of the Bureau. It was the list agreed upon by chemists themselves, through the

N.P.U., and the Bureau had no option. It ought to be noted that there was a table at the beginning of the B.D.H. list showing the way in which small quantities would be priced. "When you do have occasion to buy any drug or tablet in small quantities, do not hesitate to endorse your cost price on the prescription. It can do no harm," said Mr. Haigh. For any item which is not in the Tariff or in the B.D.H. list, the chemist was entitled to, and received, his cost price. Special attention was directed to clause 14 (proprietary preparations). This clause was the only authority which the Bureau had to make payment for any quantity larger than that ordered. It applied only to proprietaries. He gave an instance of a prescription which called for sixteen creosote capsules. On this the chemist claimed payment for thirty-six capsules. This was not a proprietary, and therefore no claim could be enter-

#### What Constitutes a Proprietary

The question arose what constituted a proprietary? One of the best definitions was "the product of a particular manufacturer" (specified in the prescription.) It was surprising to find some chemists dispensing proprietaries on every possible occasion. If the prescription called for "Tab. aspirin, occasion. If the prescription called for "Tab. aspirin, B. W. & Co.," or "Tabloid aspirin," that was a proprietary. But if the prescription merely said "Tab. Aspirin," it was no use endorsing it "B. W. & Co. supplied"; that did not make it a proprietary. When a proprietary preparation was required by the prescription to be supplied in a quantity not required by the prescription to be supplied in a quantity not corresponding to an original package, the Tariff took it for granted that the chemist would obey the first principle of dispensing—to supply exactly what the doctor orders, neither more nor less. Doctors were being impressed nowadays with the necessity of keeping a check on prescribing, and in particular to see that they did not order a second supply of medicine before the first was finished. How could they do that if the chemist supplied the patient with three or four times the quantity ordered? It was understood, of course, that there were occasions, as with sterile solutions, when it was not possible to break bulk. When dispensing proprietaries, the chemist should dispense the quantity ordered and claim for the remainder, if any. That claim would always be allowed. in which case the balance of that preparation remaining in the hands of the chemist became the property of the Insurance Committee; careful records of these balances were kept by the Bureau.

#### Out-of-Pocket Expenses

Out-of-pocket expenses were allowed on appliances not priced in the Tariff and required to be specially obtained, but there was no such provision for drugs. The Bureau was constantly receiving claims for out-of-pocket expenses which they could not allow—claims which were perfectly reasonable they could not allow—claims which were perfectly reasonable and necessary. Thus a chemist in a rural area, who requires some morphine tablets quickly, must, by law, have them sent by registered post, yet the expense is not allowed him. Mr. Haigh thought this was a matter which the N.P.U. might well take up. Instead of the words "Appliances not priced in the tariff," he would like to see "Drugs and appliances" to be obtained to be obtained. not required to be kept in stock and required to be obtained Another type of claim received occasionally arose from the chemist's having to communicate with the doctor over some ambiguity or incompatibility; here again no allowance could be made. Out-of-pocket expenses could only be allowed in respect of the items named in the clause Ampoules, appliances not priced in the tariff, dry extract of liver, oxygen, proprietaries, sera, and vaccines. regard to oxygen, the intention undoubtedly was that the chemists should be paid for any expense they might be put to, and in practice they usually were. Any chemist who received a prescription for oxygen was advised to look up this clause before sending the script to the Bureau, in order to see what he could claim for. Incidentally, it was as well to endorse the cost price of the oxygen on the script, because it was found that this varied with the source of supply.

What happened when the doctor ordered something which was not a drug and not one of the scheduled appliances? Should the chemist supply it and, if so, would be get paid for it? Until comparatively recent times the duty of deciding

whether any given item was or was not a drug rested with the Insurance Committee concerned, and if the Committee decided it was not a drug, then the prescription was disallowed and the chemist received no payment. It had now been established that it was no part of the chemist's duty to question the doctor's prescribing. He must supply without question any preparations ordered. A chemist was at liberty to supply anything which was ordered on the proper form and, if he supplied it, he would be paid for it. "If the doctor orders a loaf of bread and a dozen eggs and you supply them, you will be paid for them." There was still, and obviously must be, some limit to the number of things which a doctor was at liberty to prescribe. That limit is still the same. The difference was that the onus was now placed on the prescriber instead of the dispenser. If it was decided that any item was not a proper part of medical benefit, then the doctor was surcharged with the cost of the item. In these circumstances the N.P.U. advised chemists, as an act of courtesy or goodwill, to get in touch with the doctor concerned before supplying the article. Hence chemists should still have a knowledge of what the doctor was permitted to order. This was laid down in the regulations as "Any drug or any of the scheduled appliances." There was no hard and fast definition of what was a drug; thus lysol used as an antiseptic for bathing a wound was obviously a drug within the meaning of the regulations, but lysol used as a disinfectant for drains was not. In practice it was usually fairly easy to distinguish. The other day his attention had been drawn to a prescription for a hair ointment, the basis for which was a proprietary brilliantine. He thought it likely that the doctor would be surcharged for that. If, as a result of talking to the doctor, the chemist did not supply any item ordered, he should not forget to endorse the pre-scription "Not supplied." If he did not do this he laid himself open to a charge of claiming payment for something not supplied. Chemists were advised not to hesitate to endorse the script if necessary; it was estimated that fully half the scripts which the Bureau sent back for further information should have been endorsed before they were sent in.

#### Questions and Vote of Thanks

The chairman complimented Mr. Haigh on having given an informative and helpful address. Among questions asked by members were: - If a chemist telephones to a doctor to confirm a prescription can he claim the cost of the telephone call? No.—If a prescription is for 4 oz., to come from a 6-oz. bottle of a proprietary, what would be the position if the patient offered to pay for the other 2 oz.? If you supply 4 oz., which is what the doctor has prescribed, that is what you claim for. I do not know of any technical reason against the sale of the other 2 oz. to the patient. Another question concerned a hypothetical patient who, having brought in a prescription, had not twopence to pay for the bottle; the prepared medicine was therefore left at the back of the counter, but the patient did not return. Mr. Haigh said the chemist was under no obligation to supply the medicine unless the patient provided the bottle or paid a deposit on one. The chemist, having prepared the medicine, was entitled to charge for his services. Another speaker suggested it would be helpful if on every prescription form there was a number to indicate the identity of the doctor; this was the practice in Germany. Mr. Haigh said the pads of prescription forms were not issued by the Insurance Committee, but he would pass forward the suggestion to the proper quarter.

Mr. J. L. Hirst proposed a vote of thanks. He said the North-Western Pricing Bureau enjoyed a high reputation for accuracy. If chemists had any grievances they should send them to the N.P.U. It ought to be recognised that the guiding principle of the Insurance Acts was consideration for the insured person, who might be a nuisance to the chemist, doctor, Insurance Committee and others, but was always the person who mattered and must be served to the best of their ability. Mr. L. W. Mussell seconded the vote. Mr. Haigh, in reply, said to per cent, of the prescriptions received were passed over to the N.P.U. to be checked. The margin of error for last year amounted to only 3d. per 1,000 prescriptions, representing an efficiency of 99.6 per cent.

## Veterinary Abstracts

#### Pneumonia from Administered Medicines

THE ignorance of animal owners in administering medicines to their pets is referred to in a communication which appears in "The Veterinary Journal," October, p. 400. It is apparently not uncommon for veterinary surgeons to receive dogs for treatment which show signs of fright at the sight of a spoon or bottle due to their jaws being held open during the administration of medicines and powders, and occasionally dogs are affected by troublesome coughs caused by throwing the powders on to the back of the tongue. Serious conditions, such as bronchitis and mechanical pneumonia, can be produced when foreign particles get into the bronchi, and details are given of a case which was brought to a veterinary surgeon because of persistent coughing. The patient was a fox terrier which had been given powders and medicine whilst its jaws were held open. On examination, its temperature was 103, it had a quick and irregular pulse, and its breathing was rough and rapid. The animal refused food and drink, and on the next day showed symptoms which suggested some internal hæmorrhage. After treatment, which included extract of bone marrow, the animal improved, and was discharged cured nine days from when it was first brought in. Five days later it was reported that the dog seemed hysterical and became excited at noises, but it responded to treatment by pills containing pot. brom., gr. 1, chloral hydrat., gr. 1, and ext. bellad., gr. 1, given for a few nights.

#### Heel-Bug in Horses

A DISEASE known as heel-bug, which occurs in thoroughbred horses during the late summer months, is described by Fraser in the "Veterinary Record," October 29, p. 1455, and an outline of the cause and treatment of the condition is given. Much attention has been centred on the disease since its prevalence in 1936, and it is of importance to racehorse owners and trainers because of its effect on the animal's performance, and also because of the secondary conditions which may

The condition is an eruption noticed in the hollow of the heel and adjacent parts in horses which are in training, and the eruption consists of small scabs, which on removal reveal tiny ulcers. The local effect of the condition is slight, although the affected parts may be painful. The performance of the animal is affected, and this is attributed to a tightness of the heel skin or to malaise from toxin absorption. Secondary infection affects the animal's capacity for work. Although the cause of the disease is not properly established, it is believed that it is of parasitic origin. The season in which heel-bug is most prevalent corresponds with the time of year during which a mite known as the harvest-bug, Trombicula autumnalis, is rampant and active on the grass of gallops. The mite is widely distributed in the British Isles and is most prevalent in chalky districts. It is found in large numbers on the heels of horses and can be detected on the nose after grazing. Rain or dew favour infection by assisting the adherence of the mites to their host. Mites bury their mouths in the tissues of their host, where they remain feeding for some days, afterwards falling off and undergoing further stages of development in the soil. The first frost of autumn usually destroys the mites, and the condition they produce in the horses dies down in consequence. Treatment of the condition consists of removal of the horse from infected ground. The parts affected should be repeatedly washed with a strong mercurial or other antiseptic soap. The leg is then dried and a poultice wrung in hot water is applied to the hollow of the heel twice a day for about three days. When no more discharge from the lesion takes place ointment and bandages are applied twice daily, and the animal should be allowed to rest. The following ointments are recommended for the treatment and also for the prophylaxis of the condition: - Ung. hydrarg., both weak and strong; ung. hyd. ammon., single and double strength; ung. zinci. Laxatives and febrifuges are advised during the treat-The conditions which may be confused with heel-bug are cracked heels, mud fever, eczema, grease and horse pox, and these are described in the report.

## Government Chemist's Report

HE report of the Government Chemist (Dr. J. J. Fox) on the work of the Government Laboratory for the year ended March 31, 1937, has recently been issued (H.M. Stationery Office, 9d.). The total number of samples examined in the course of the year, including those dealt with at the (seaport) chemical stations, was 562,549, as compared with 545,233 in the preceding year, an increase of 17,316. Decreases of 8,000 in the samples of wines, 2,000 in samples of cocoa and chocolate, 2,600 in samples taken under the Import Duties and Ottawa Agreements Act and 2,000 in samples taken under the Safeguarding of Industries Act, are recorded.

#### Veterinary and Agricultural

The Sheep Scab Orders issued by the Ministry of Agriculture require the periodical dipping of sheep in a bath prepared from a dip which has received the approval of the Ministry. Fifty-seven such dips were examined, including five which would not have satisfied the Ministry's requirements if prepared as directed. The Fertilisers and Feeding Stuffs Act, 1926, makes a distinction between civil claims and criminal prosecutions. In certain offences against the Act, the consent of the Ministry and analysis of a sample by the Laboratory are required before proceedings can be taken. Seven fertilisers (three compound manures, one superphosphate, one shoddy, one hoof and horn meal and one basic slag), alleged not to conform to the statu-tory statement supplied with the article, and eleven feedingstuffs (including three feeding meals and two fattening nuts) were examined. The feeding meals and fattening nuts were found not to conform to their statutory statements. The results obtained confirmed those of the agricultural analysts who had originally examined the samples in practically every instance, except that the basic slag was found to agree with the statutory statement. One hundred and thirty samples of honey were examined under the Agricultural Produce (Grading and Marking) (Honey) Regulations, 1934, which specify the characteristics of select heather and select (section) grades. Miscellaneous samples examined included two of insecticidal preparations in connexion with the spraying of potatoes against the attacks of the Colorado beetle, six samples of derris preparations in connexion with the Warble Fly (Dressing of Cattle) Order, 1936, and seven disinfectants purchased in the open market under the Diseases of Animals (Disinfection) Order. 1926.

#### Customs and Excise

Coconut oil (liable to Ottawa duty) had to be specially tested for in 1,881 samples, principally of biscuits; in addition, four samples of chocolate confectionery were analysed in connexion with the alleged sale of chocolates containing spirits by persons not licensed to sell spirits. Thirty-five samples of dyestuffs were examined to ascertain whether they fell within groups of which importation is probabilitied except under license, by the Dyestuffs (Import hibited, except under licence, by the Dyestuffs (Import Regulation) Acts, 1920 to 1934. One hundred and forty-one samples of medicine or articles offered for sale as medicine were examined in connexion with questions of liability to Medicine Stamp Duty, in order to ascertain the nature of the medicaments, or to ascertain their eligibility to the rebate of spirit duty as medicinal preparations. Under the Safeguarding of Industries Act, 1921, 7,281 samples were examined to ascertain whether the product consisted of one or other of the listed chemicals or the amount of such chemicals contained. Hydrometers for ascertaining the strength of spirits or the specific gravity of hydrocarbon oils, saccharometers for use at breweries, distilleries and glucose factories, sets of weights for use in the collection of the silk duties, thermometers and graduated vessels of various descriptions are tested at the Laboratory as to their accuracy before being issued to the Officers of Customs and Excise. During the year 2,202 such tests were made. Eight hundred and sixty-six samples of wood naphtha, as well as other crude methyl alcohol and mineral naphtha, and 248 samples of pyridine and dyes intended for use in the manufacture of methylated spirits, were examined. Except in fifteen instances the materials represented by the samples were approved as fit for methylating purposes. For the purpose of controlling methylated spirits or spirits other than methylated spirits used free of duty in connexion with manufacturing operations, 3,241 samples of special denaturants, specially denatured alcohol, recovered spirits, residues from stills and articles manufactured with industrial methylated spirits and duty-free spirits were examined. In one instance of the sale of methylated spirits without the necessary Excise licence, legal proceedings were attended and a conviction obtained. 3,274 papers were dealt with relating to applications to the Commissioners of Customs and Excise, either for rebate of duty on alcohol used in making medicinal preparations or for scientific purposes; or in connexion with permission to receive industrial methylated spirits and/or other forms of duty-free alcohol for use in manufactures, tuition and research; or in other connexions. Technical advice was also given in connexion with the denaturing and control of duty-free spirits.

During the year 15,619 samples of flavouring essences, medicinal spirits, perfumes and certain toilet preparations of British manufacture were examined as to the proportion of spirit contained, in order to determine the amount of drawback payable. In 169 the spirit was found to be overdeclared, while in one instance the presence of methyl alcohol was detected. Six hundred and eighty-nine samples of dentifrices were examined for saccharin content (on which also drawback is allowed). For the assessment of duty on British-made glucose, 265 samples were taken during the course of manufacture; 887 samples of glucose itself or composite articles containing it were examined for assessment of drawback on exportation; there were, in addition, 56 samples of imported glucose and of glucose used in syrups made at refineries. Saccharin has to be searched for in preparations in which there is any probability of its occurrence; 102 samples of imported substances were specially examined with this object, and in a large proportion saccharin was present. Most of the samples contained some other dutiable ingredient such as sugar, spirit or chloroform, and this had also to be determined. Five hundred and eighty-one samples of saccharin and articles containing saccharin were examined for the purpose of assessing the amount of drawback payable on exportation, and 81 samples of saccharin and of the materials used in its production were likewise examined in connexion with the assessment of duty on saccharin manufactured in this country. To determine the question of liability to duty, six samples of mineral and spa waters were examined; of these, three proved to be not

liable to table-water duty.

Under the provisions of the Dangerous Drugs Acts, 1920-1932, the importation or exportation of prepared opium is prohibited entirely, and it is an offence to import or export, except under specified conditions, raw opium, Indian hemp and coca leaves, and a number of habit-forming drugs and derivatives. The Officers of Customs and Excise sample suspected goods. Twenty-two such samples were received, and of these one was heroin, one was cigarettes containing Indian hemp, and three were Indian hemp. The remainder did not contravene the Dangerous Drugs Acts.

#### Miscellaneous

The Merchant Shipping Act provides that every foreigngoing ship shall carry a supply of lime or lemon juice, and that one ounce per day shall be served out to every member of the crew after the ship has been at sea for ten days. The chemical examination of the raw juice which it is proposed to ship, and of the juice after fortifying with spirit, is carried out in the Government Laboratory. One hundred and eighty-three samples of raw juice were submitted for approval, all of which were approved. The quantity of juice approved was 20,970 gallons. One hundred and twenty-two samples of anæsthetics, cylinders of nitrous oxide, of carbon dioxide, and of oxygen, drugs and reagents were analysed for the Medical Division of the War Office, mainly with the object of ascertaining whether they conformed with the requirements of the British Pharmacopœia.

Health organisation.—The Health Organisation of the League of Nations has recently issued the third number of the 1938 volume of its Bulletin (Allen & Unwin, 40 Museum Street, London, W.C.I., 2s. 6d.). Among the articles included are:—Methods of assaying the content of morphine in opium and of cocaine in raw cocaine and in coca leaves; the significance of codeine as a habit-forming drug.

## Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

#### 28 Essex Street, W.C.2, November 17

RATHER quiet conditions are reported this week in most markets, with business generally not up to seasonal expectations so far as the home consuming trade is concerned. Export business appears to be reasonably good, and the volume of trade being transacted with the Continent, particularly the Baltic countries, is increasing. It is evident that a fair amount of Hamburg business is now coming to this market. The further break in sterling rates of exchange gives added strength to a number of shipment markets. Despite the lack of activity in the markets, values are, with but very few exceptions steady to firm and in many instances are the very firm steady to firm and in many instances are the very firm and in many instances. tions, steady to firm and, in many instances, spot quotations are below cost of replacement in the cases of imported natural products.

Manufacturers and dealers report a moderate demand for Pharma-CEUTICAL CHEMICALS, with no changes in value of importance recorded.

#### Crude Drugs

The home trade demand from consumers has been restricted, while re-export business has been quite a feature. The tone in this market is very steady and the position of shipment markets indicates that prices here are not likely to weaken in the future. Stocks in London are unusually low in many products. Shipment quotations for new are unusually low in many products. Shipment quotations for new crop Agar are keeping well up. Quieter spot demand for Curaçao Aloes, but the position generally is very firm. Buchty seem neglected on spot. Average spot business in Japanese Camphor. At the further reductions the spot quotations for Ergot seem steadier. West African Ginger shows a further decline and is now quoted very cheaply. Sudair Gum Acacta remains dull and is rather easier forward. Good demand reported for Egyptian Henna; London stocks of green leaves small. Honey remains quiet. Fair amount of business moving in Japanese Menthol; shipment market very steady. Senega is a very firm market at the further advance. Spot supplies of "polished" Madras finger Turneric appear to have been cleared and there are only a few shipment offers.

Business in essential and expressed oils remains rather limited in volume, with most orders for smallish quantities. Some oils are quoted firmly, chiefly due to limited spot supplies and stoppage of shipment offers, while others are rather unsteady, due largely to the varying qualities of material offering. Spot business in Anise (Star) continues slow, but holders' prices are firm; no definite shipment offers. Bergamot is slightly dearer on exchange; no new crop prices. Bois de Rose is now firm. Japanese Camphor oil is very short and firm on spot. No Chinese oil and no shipment offers. Cananga is firm, but little called for on spot; no shipment offers. American Cedarwood is firm. Ceylon Citronella is easier forward. Quiet demand for Australian Eucalpytus. Ho (Shiu) is very firm here; no shipment offers. The shipment offers this week for Sicilian hand-pressed Lemon are again rather easier, but present values are not attracting either merchants or consumers. Lemongrass is idle and cheaper forward. West Indian Lime continues unsettled. Shipment offers of Mandarin are easier. French Guinea Orange continues at cheap prices, but in small demand. The various descriptions of Patchouli continue to have a depressing effect on values of genuine oils. Japanese Peppermint is fully steady, both spot and forward.

A drug auction will be held at the Commercial Sale Rooms. Mincing Business in essential and expressed oils remains rather limited in

A drug auction will be held at the Commercial Sale Rooms, Mincing Lane, on Thursday, November 24.

#### Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:

Cent	Centre		Centre Quoted				November 10	November 17	
Amsterdam Berlin Brussels Copenhagen Lisbon Madrid Milan Montreal New York Oslo Paris Prague Stockholm Warsaw Zurich			FIs. to £ Mks. to £ Mks. to £ Belgas to £ Kr. to £ Esc. to £ Ptas. to £ Lire to £ Dols. to £ Kr. to £	12·107 20·43 nominal 18·159 110 25·24½ 92·46 4·86¾ nominal 18·159 124·21 164·25 18·150 43·38	8·74 11·87 28·12 22·40 110 nominal 908 4·78½ 4·75¼ 19·90 178¾ 138	8·67 11·74 22·75 22·40 110 nominal 89½ 4·74 4·70 19·90 178½ 137 19·40			

Bank rate 2 per cent.

#### Pharmaceutical Chemicals, etc.

Quite a fair amount of business is reported in some quarters, with quoted values mostly steadily maintained.

Barbitone.—Dealers' prices are unsteady: spot, two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb.

Benzoic acid (B.P.).—Fair business, makers' prices steady; five cwt., is. 7½d.; one cwt., is. 8d.; smaller parcels, from is. 9d. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' home trade and export scales of prices for these salts continue steady:-

	Ne	t Monthly A	Net 14 days		
	Under 4 lb.	4 lb. and under 8 lb.	8 lb, and under 28 lb.	28 lb. and under 1 cwt.	Not less than r cwt.*
Carbonate (Home Trade only)	s. d.	s. d.	s. d.	s. d.	s. d.
	8 6	8 o	7 3	6 9	6 6
Nitrate Cryst Oxide Salicylate Subchloride Subgallate Subgallate	11 10	11 4	10 7	10 I	9 10
	6 8	6 2	5 5	4 II	4 8
	12 11	12 5	11 8	11 2	10 11
	10 0	9 6	8 9	8 3	8 0
	12 8	12 2	11 5	10 II	10 8
	9 8	9 2	8 5	7 II	7 8
	9 8	7 4	6 7	6 I	5 10

Contracts are booked for r cwt. and upwards for delivery over three months and are subject to a rise and fall clause. A rebate of 3d, per 1b, is allowed on sales of not less than a cwt. (assorted if required) provided delivery is completed within three months. All deliveries ex contract are sold on net cash 14 days' terms.

Browides.—Makers' scales of prices steady. Potassium, B.P., five cwt., is. 8d.; one cwt., is. 9d.; 28 lb., 2s. per lb. Sodium, B.P., five cwt., is. 10d.; one cwt., is. 11d.; 28 lb., 2s. 2d. per lb. Ammonium, B.P., five cwt., is. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: Potassium, B.P., five cwt., is. 4d.; one cwt., is. 4½d. Sodium, B.P., five cwt., is. 5½d. Ammonium, B.P., five cwt., is. 6½d.; one cwt., is. 7d. per lb., fo.b.

BUTYL CHLORAL HYDRATE.—Quoted unchanged, quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

SS.; 7 ID., SS. 3d.; 1 ID., SS. 6d. per ID., In 1-ID. Quities.

CAFFEINE.—The scale for Continental material, duty paid, in 5-lb. tins, is as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0\frac{1}{2}d.; 56 lb., 9s. 2\frac{1}{2}d.; less than 56 lb., 9s. 4\frac{3}{2}d. per lb. Citrate, two cwt., 5s. 11\frac{3}{2}d.; one cwt., 6s. 0\frac{3}{2}d.; 56 lb., 6s. 2\frac{3}{2}d.; less than 56 lb., 6s. 2\frac{3}{2}d.; one cwt., 6s. 3\frac{3}{2}d.; one cwt., 6s. 3\frac{3}{2}d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

Chiopal hydrate—Steady at makers' prices: duty-paid crystals.

CHLORAL HYDRATE.—Steady at makers' prices; duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Routine business reported: British material quoted at is. old. per lb. less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—Hydrochloride and Nitrate, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. Pure, Citrate and Salicylate, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—Hydrochloride and Nitrate, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 1rd.; ½ oz. and less than ½ oz., 40s. 1rd. per oz. Pure, Citrate and Salicylate, 8 oz., 36s. 1od.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 33s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity below the scale prices for such quantity current at the time of resale. Export prices vary according to destination.

Cream of tartar.—Average demand, values steady: British

Cream of tartar.—Average demand, values steady: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

EPHEDRINE.—Seasonal business continues on a fair scale, with Hydrochloride, B.P., quoted at about 6s, per oz. for minimum 1,000-oz. lots; small quantities, up to 7s. Pure alkaloid is quoted from 7s. 9d. to 8s. 3d. per oz., as to quantity.

Gallic acid.—Steady but dull: spot, one cwt., 3z.; 56 lb., 3s. id.; smaller parcels, up to 3s. 6d. per lb.

METHYL SALICYLATE.—Fair seasonal demand in limited quantities: spot, ten cwt., is. 1\(\frac{1}{2}\)d.; five cwt., is. 2\(\frac{1}{2}\)d.; one cwt., is. 2\(\frac{1}{4}\)d.; less than one cwt., is. 3\(\frac{1}{2}\)d.; small quantities, in bottles, up to 2\(\frac{1}{2}\)e. per lb.

METHYL SULPHONAL.—Dealers' prices continue unsteady on spot: two cwt., 19s. 3\frac{3}{4}d.; one cw parcels, up to 20s. 8d. per lb. cwt., 19s. 94d.; 56 lb., 20s. 24d.; small

Paraformaldehyde.—Rather quiet: 100 per cent. powder, quantities, in kegs, 1s.; smaller parcels, from 1s. 12d. to 1s. 6d. per lb., as to quantity.

-Market is quiet and unchanged: in carboys, quoted PARALDEHYDE.from about 1s. 2d., and in winchesters from 1s. 5d. to 1s. 6d. per lb.

PHENACETIN.—Makers' prices steady, small parcel business only reported: crystals or powder, bulk quantities, from 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Dealers' prices are competitive: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, up to 7s. 6d. per lb., with powder 21d. per lb. extra.

PHENOLYHTHALEIN.—The scale of prices is unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYLETHYLBARBITURIC ACID.—Dealers' prices, in 2-lb. bottles, are in the region of 16s. to 17s. per lb., as to quantity.

In the region of 16s. to 17s. per lb., as to quantity.

Photographic Chemicals.—Home makers' prices are as follows:

Amidol.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins;

under 7 lb., 12s. per lb., in free 1-lb. bottles. Chlorquinol.—1-lb.

bottles, 21s. per lb. Glycin.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d.

per lb. Hydroquinone.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.;

7 lb., 5s. 6d.; in 1-lb. bottles 6s. 6d. per lb. Metol.—28 lb., 9s. 6d.;

14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb.

bottles, 12s. 6d. per lb., bottles free. Alum (Photographic Quality).—

1 cwt., 21s. per cwt.; 28 lb. for 6s. Gold Chloride.—15-grain tubes,

45s. per doz. Magnesium prowder.—10s. per lb. Paramidopheno,

hydrochlor.—8s. 6d. per lb., bottles free. Potassium ferricyanide.

—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. Potassium MYBROCHIOR.—S. Od., Per Inc., Bothles Rec. 1 obasis in the Per Inc. 1 per Ib. Potassium METABISCLEPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 1od.; 7 lb., 1s. per Ib. Pyrogallic acid, cryst.—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. Sodium (Carbonate recryst.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 5d. b. for 1is. 6d. 28 lb., 7s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 5d. per Isl. 6d. 28 lb., 6 28 lb. for 6s. Sodium hyposulphite, cubes, cryst.—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. Sodium sulphite (pure).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. Sodium sulphide, recryst.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

Potassium permanganate (B.P.).—British makers' scale of prices for home trade is as follows:—Not less than one cwt., 102d.; not for nome trade is as follows:—Not less than one cwt., 10\frac{1}{2}d.; not less than three cwt., 10d., in drums; not less than five cwt., 9\frac{3}{2}d. in 1-cwt. drums and 9\frac{1}{2}d. in 5-cwt. drums, net, delivered buyer's station, drums free. Technical or commercial quality, one cwt., 96s.; three cwt., 91s. 6d.; five cwt., 89s.; one ton, 86s. 6d. per cwt., in 1-cwt, drums.

POTASSIUM SULPHOGUAIACOLATE.—The spot value is unchanged at about 6s. 2d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue steady at the recent advance: sulphate, 2s. 3d.; bisulphate, 2s. 3d.; ethyl carbonate, 2s. 1rd.; salicylate, 2s. 1rdd.; hydrochloride, 2s. 1od.; dihydrochloride, 3s. rdd.; hydrobromide, 2s. 1od.; dihydrochloride, 3s. rdd.; hydrobromide, 2s. 1od.; dihydrobromide, 3s. rdd.; valerianate, 3s. 9dd.; phosphate, 3s. 5dd.; hydrophosphate, 4s. rdd.; alkaloid, 3s. rdd. per oz., 100-oz. tins free, carriage paid on bulk quantities.

RESORCIN.—Makers' prices are unchanged: 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller parcels, up to 6s. 6d. per lb. SACCHARIN.—Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

Salicylic acid (B.P.).—Makers' prices are unchanged, moderate inquiry: five cwt., 1s. 7d.; one cwt., 1s.  $7\frac{1}{2}$ d.; 28 lb., 1s. 1od.; 14 lb., 1s.  $11\frac{1}{2}$ d.; 7 lb., 2s.  $0\frac{3}{4}$ d.; 4 lb., 2s.  $2\frac{1}{2}$ d. per lb.

SALOL.—Keen prices quoted for good quantities: 2s. 2d. to 2s. 4<sup>1</sup>/<sub>2</sub>d. per lb., as to quantity.

Santonin.—Business remains slow: bulk quantities, f10 5s.; and small parcels, up to about £12 10s. per kilog.

SODIUM BENZOATE (B.P.).—Fair business continues: five cwt., is. 3½d.; one cwt., is. 4d.; smaller parcels, from is. 5d. to 2s. per lb., as to quantity.

Sodium diethylbarbiturate.—Market is dull: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 3d. per lb.

Sodium salicylate (B.P.).—Seasonal business fair, market steady: prices for home trade, crystals or powder, five cwt., 1s. 52d.; one cwt., is. 6d.; 28 lb., is. 9d.; 14 lb., is. 10½d.; 7 lb., is. 11¾d.; 1 lb., 2s. 4d. per lb.

STRYCHNINE SALTS.—Makers are meeting competition for bulk orders with prices for the smaller quantities steady at the former figures.

						Under 100 oz.	Under 500 oz.
						Home or f.o.b. British Empire	Home or c.i.f. British Empire
						Per oz.	Per oz.
Pure Crystals						I 3½	I 3½
Pure Præcip.						I 3½	I 3½
Acetate						I 10	1 10
Arseniate						I 9	I 9
Arsenite		,				I 10	1 10
Bisulphate				• • •		0 10	0 10
Hydrochloride						I I 1 2	I I 1 2
Hypophosphite	***					3 4	3 4
Nitrate Crystals			• • •			I 1½	I 1½
Nitrate Powder		• • •				1 I 1 1 1 2	1 11/2
Nitrate Powder N					• • •	0 101	0 104
Phosphate		• • •				2 I	2 1
Sulphate Neut, Co						1 0	1 0
Sulphate Neut. Po		NTo a				I 0	I O
Sulphate Neut, P	owder	NO. 2			• • • • •	0 101	0 104

25-oz, tins free. Export cases free. 1-oz. bottles 2d. each extra. For export—1 per cent. cash in ten days. Terms: net, 30 days. Contracts cannot be accepted. For export: buyers held covered against price reduction for ten days after arrival of steamer at port of destination.

Sulphonal.—Dealers' prices are unsteady: crystals or powder, two cwt., 15s. 5<sup>1</sup>/<sub>4</sub>d.; one cwt., 15s. 10<sup>3</sup>/<sub>4</sub>d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s.  $7\frac{1}{2}$ d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Continues steady: British makers quote at 1s. 11d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

Theobromine.—Prices for Continental, pure, two cwt., 7s. rod.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s.  $3\frac{1}{2}$ d.; one cwt., 6s.  $4\frac{1}{2}$ d.; 56 lb., 6s.  $5\frac{1}{4}$ d.; smaller quantities, 6s.  $6\frac{1}{4}$ d. per lb. delivered, 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb.; tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

Vanillin.—Convention prices for home trade are unchanged: clove oil or guaiacol, five cwt., 11s.; one cwt., 11s. 1½d.; 56 lb., 11s. 3d.; smaller quantities, 11s. 6d. per lb.

#### Crude Drugs, etc.

Aconite Root.—Dealers' prices for spot supplies of Japanese root are rather dearer this week, being up to 77s. 6d. per cwt.

AGAR.—Business has been of smaller account this week, but values AGR.—Business has been of smaller account this week, but values are fully steady. Export trade to Baltic countries quite good: spot, Kobe, No. 1, 3s. 3d. to 3s. 4d.; No. 2, 3s. to 3s. 1d.; Yokohama, No. 1, 3s. 1d. per lb.; shipment, November-December, Kobe, No. 1, 2s. 10½d.; No. 2, 2s. 7½d.; Yokohama, No. 1, 2s. 7½d. per lb., c.i.f. New crop, January-February, Kobe, No. 1, 2s. 10½d. to 3s., as to shipper. February-March, Kobe, No. 2, 2s. 8½d.; Yokohama, No. 1, 2s. 7½d per lb. c.i.f. 2s.  $7\frac{1}{2}$ d. per lb., c.i.f.

ALOSS.—Quieter demand for Curaçao, but the spot market continues very firm. No shipment offers: Cape, spot, in boxes, 54s.; shipment, 46s. per cvt., c.i.f. Curaçao, spot, 165s. for coarse up to 175s. to 180s. for livery; shipment, last business done at 155s., c.i.f., with no further offers.

The 1938 yield of Curação aloes in the Netherland West Indies is estimated to amount to about 3,500 cases or 437,500 lb, which is approximately the same as in 1937. Production in the three months ended with September 30 amounted to 200,000 lb.; 125,000 being produced on the island of Aruba and the remainder on Bonaire. The rest of the crop is expected to amount to from 600 to 800 cases. Exports during the September quarter aggregated 250,000 lb. Stocks on hand September 30 aggregated 137,500 lb., at which time prices in the Netherland West Indies ranged from .50 to .55 florins per lb.

Antimony.—Market continues steady: Chinese, crude, spot, £38; shipment, November-December, £32, c.i.f. English regulus, £71 per ton, ex store.

Balsams.—Remains quiet, quoted unchanged: Tolu, is. 9d.; Canadu, 2s. 9d.; Copaiba, is. 8d.; Peru, 4s. 1½d. per lb., spot.

Belladonna.—Occasional spot inquiry: leaves, 55s.; root, high test, 55s. per cwt., spot.

Benzoin.—Steady but quiet: Sumatra, 70s. to 90s. per cwt., as to quality. Siam, medium almonds, £26 10s.; bean and pea, £21 per cwt., ex store.

Buchu.—Market has been dull: spot, rounds, 1s. 4d. to 1s. 6d., as to quality; ovals, 1s. 3d. to 1s. 4d.; and last season's ovals at about 1s. 2d. per lb., ex store, in minimum bale lots.

Camphor.—Average routine business on spot: Japanese monopoly BB brand, £7 10s. per 100 lb.; Japanese, natural, spot, tablets, 28. 6d.; powder, 28. 3d.; slabs, 28.  $2\frac{3}{4}$ d. per lb., ex store; shipment: tablets, 28. 2d.; powder, 78.  $10\frac{3}{4}$ d.; slabs, 18.  $10\frac{1}{2}$ d. per lb., c.i.f.; English refined flowers, one cwt., 38. 1d.; 28 lb., 38. 2d.; small lots, 38. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 38. 4d.; 1 oz. and 2 oz., 38. 5d.;  $\frac{1}{2}$  oz.,  $\frac{1}{3}$  oz. and  $\frac{1}{4}$  oz., 38. 6d.

JAPANESE CAMPHOR FUSION.—The Japan Camphor Co., with a capital of 6,000,000 yen, and the Re-Manufactured Camphor Co., capital of 2,000,000 yen, have decided to amalgamate. The two companies are engaged in the production of camphor and camphor oil at their plants located in Kobe.

CANTHARIDES.—Only a limited spot inquiry: Russian, 4s. 3d. to 4s. 6d. Chinese, spot, 2s. to 2s. rd. per lb., as to quantity.

CARDAMOMS.—Market continues rather neglected: Aleppy greens, f.a.q., season, is. 9d.; f.a.q., is. 11d., c.i.f. Spot quotations range from 2s. 3d. to 2s. 6d. per lb., as to holder.

CASCARA SAGRADA.—Moderate business reported on spot, with values for all barks fully maintained: spot, 1938 bark, 52s. 6d.; 1937 bark, 57s. 6d.; 1936 bark, up to 65s. per cwt., ex store, duty paid. No shipment offers from the source.

Cascarilla bark.—Dealers' prices range from 1s. 3d. for bulk quantities up to 1s.  $4\frac{1}{2}$ d. per lb. for small parcels.

Cassia fistula.—Dealers are quoting spot supplies in the region of

27s. 6d. per cwt., ex store

Chamomiles.—Good white new season's flowers are indicated on

Chamomiles.—Good white new season's flowers are indicated on spot at about 160s. per cwt., duty paid.

CLOVES.—Rather quiet, with values about level on the week: Zanzibar, spot, 8\forall d.; shipment, November-December, 8\forall d. per lb., c.i.f. Madagascar, in bond, 7\forall d.; shipment, December-January, 6\forall d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended November 12 were nil. and the deliveries nil, leaving a stock of 542. From January 1 to date the landings of Zanzibar have been 2,317, and the deliveries 3,171. Landings of Madagascar for the week ended November 12 were nil, and the deliveries 56, leaving a stock of 811. From January 1 to date the landings of Madagascar have been 1,586 and the deliveries 2,873 packages.

COCOA BUTTER.—Values steady, market quiet: prime English, 9d. to 10d. per lb. Foreign, 8d. to 9d. per lb., as to quantity and quality.

Coconut (desiccated).—Continues steady, business moderate, spot, fine, 16s. 3d.; medium, 16s. 3d. per cwt.; shipment, halves, November-December, 15s. 6d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports rather more inquiry on the shipment market, with quotations steady: finest Lofoten steam-refined non-freezing medicinal oil, 89s. per barrel, c.i.f., London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with

rebates for 25 or more drums.

Colenium.—Root is quoted on spot at about 55s. per cwt., and

seed at is. id. per lb.

Colocynth pulp.—Demand limited, market keen: spot, from is.

to 1s. 2d. per lb., as to quality and quantity.

DERRIS ROOT.—Hardly any inquiry on the market: shipment offers of 15 to 17 per cent. ether extract at 38s., c.i.f., and 4 per cent. rotenone at 55s. per cwt., c.i.f.

DIGITALIS LEAVES.—The London quotation for a limited supply of good green leaves is dearer at about 88s. to 90s. per cwt., as to quantity.

ERGOT.—Business only moderate; as now quoted the market is rather steadier: Portuguese, spot, 4s. to 4s. 1½d., as to seller; shipment, about 3s. 11d., c.i.f. Polish, spot, 3s. 8d. to 3s. 9d. per lb.; shipment, nominal. No Russian available. Shipment business in Spanish reported done at about 4s. per lb., c.i.f. No further offers

GENTIAN.—Steady as quoted; business quiet: French root, from 33s. to 35s. per cwt.; spot, as to seller; shipment, new crop, 28s. 6d. per cwt. Other Continental material is quoted at about 30s. to 32s.

GINGER.—West African has now reached very low values: West African, spot, 23s. 6d.; for arrival, 19s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 65s. to 75s.; medium, bold, in bags, 47s. 6d.; small grinding, in bags, about 42s. per cwt., c.i.f.

GUM ACACIA.—Market is showing no revival of business: Kordofan, cleaned sorts, spot, 38s.; shipment, 34s. 3d. per cwt., c.i.f.

Henbane.—Quiet, values continue at about 75s. per cwt., ex store.

Henna.—A good demand reported this week; prices firm; supplies limited: Egyptian, brown, 32s. 6d.; green leaves, 37s. 6d. per cwt., ex store.

HONEY.—A moderate business in some of the cheaper descriptions, quoted generally unchanged: Jamaican, dark manufacturing, 30s. up to 40s. for pale set. Canadian, new crop, steady at 45s. 6d. to 48s., as to quality. Californian, white clover, 47s. 6d. per cwt., duty paid. Small lots of all descriptions at higher prices.

HYPRASTIS.—A quiet spot trade passing at steady values: U.S.P., spot, 13s. to 13s. 3d.; shipment, 12s. 9d. per lb., c.i.f.

IPECACUANHA.—Values are quite steady and may harden in due course. Business not of much account at the moment: Matto Grosso, B.P., spot, 7s. 1½d. to 7s. 3d.; shipment, 6s. 9d. per lb., c.i.f.

Menthol.—The Japanese product has sold quite well and the market is fully steady: K/S brands, spot, 13s.  $7\frac{1}{2}$ d. to 13s.  $10\frac{1}{2}$ d. per lb. Near afloat, 11s. 9d., c.i.f. October shipment, now afloat, reported sold to the Continent at 11s.  $7\frac{1}{2}$ d. c.i.f. Japanese shippers quote January-March at 11s. 6d., c.i.f. Chinese, on spot, is quoted cheaper at 12s.  $10\frac{1}{2}$ d. per lb., ex store.

MERCURY.—The ex store, London, quotation from first hands con-

tinues steady at £14 10s. per bottle.

OPIUM.—Market very steady but quiet: Turkish, none available in London; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid; Bulgarian, original cases of 170 lb., 12½ per cent., 1s. 2d. per unit.

Orange peel.—Bitter quarters are quoted at 9d. per lb., and thin cut at about 1s. 3d. per lb., ex store.

Pepper.—Business has been of little importance, with quotations about unchanged on the week: Lampong, in bond, 2\frac{3}{4}\triangled.; shipment, November-December, 2\frac{1}{4}\triangled.; January-March, 2\frac{1}{6}\triangled., c.i.f. Tellicherry, spot, 4d.; shipment, November-December, 33s., c.i.f. Aleppy, spot, 4d.; shipment, November-December, 3\frac{1}{2}\triangled.; January-March, 3\frac{1}{2}\triangled.; shipment, November-December, 3\frac{1}{2}\triangled.; January-March, 3\frac{1}{2}\triangled.; London Terminal Market: Black, November, 2\frac{1}{2}\triangled.; December, 2\frac{1}{1}\triangled.; March, 2\frac{1}{6}\triangled.; May, 2\frac{1}{2}\triangled. White, November, 3\frac{1}{2}\triangled.; December, 3\frac{1}{2}\triangled.; March, 3\frac{1}{2}\triangled.; May, 3\frac{3}{4}\triangled. per lb.

PIMENTO.—Steady, demand limited: spot, 8d. per lb.; shipment, November-December, 63s. 6d. per cwt., c.i.f.

Quassia chips.—Dealers are offering spot supplies at about 20s. per

cwt. and less for bulk quantities.

Rhubarb.—The spot market continues firm, with a steady call for rough round: spot, rough round, is. iid. to 2s. 2d., as to seller, per lb.; Shensi, 4s. 9d. to 5s. per lb., ex store. No shipment offers.

Rubber.—The export quota for the first quarter of 1939 has been fixed at 50 per cent., an increase of 5 per cent. on the present rate. Market eased sharply on receipt of this information, but later partly recovered, closing steady with fair business being done: smoked ribbed, spot, 8\strack{1}{2}d.; November, 8\strack{1}{2}d.; December, 8\strack{1}{2}d.; January-March, 8\strack{1}{2}d.; April-June, 8\strack{1}{2}d.; July-September, 8\strack{1}{2}d.

SAFFRON.—Genuine Valencia is scarce on spot and quoted firm at 90s. to 92s. 6d. per lb. Inferior grades at cheaper prices.

SEEDS.—ANISE.—Russian, spot, 45s., duty paid, Bulgarian, to arrive 41s. 6d., in bond. Canary.—Spot, duty paid, Mazagan, 16s. 3d.; Morocco, 15s. 6d.; Turkish, 15s. 6d.; Plate, 14s.; Spanish, 20s. to 30s. Caraway.—Dutch, on spot, 31s. 6d., duty paid; 28s. quoted f.o.b Holland. Coriander.—Morocco, on spot, is offering at 15s. 3d., duty paid, and 14s., in bond; for shipment, 12s. 6d., c.i.f., quoted Cumin.—Spot, duty free, Cyprus, 37s. 6d.; Malta, 48s.; duty paid Morocco, 47s. 6d. and 43s., in bond. Fennel.—Spot, Indian, 22s. 6d. and 27s. 6d. Fenugreek.—Spot, Morocco, 13s., duty paid; for shipment, 9s. 6d., c.i.f. Mustard.—English, 20s. to 32s., according to quality.

Senega.—Market is very firm on spot at the further advance: spot, 2s. 6d.; no shipment offers. Editorial comment on p. 556.

Senna.—Business routine in character with all descriptions quoted unchanged: New crop Tinnevelly leaves offered at; No. 1, 6½d.; No. 2, 4d.; No. 3, 2½d.; No. 4, 2½d. per lb. Tinnevelly pods: Best pale greenish hand-picked, 5d. to 6d.; darker qualities, from 3½d. to 4d. per lb. Manufacturing pods extremely scarce and quoted firm at recent advance. Alexandrian hand-picked pods: No really choice selected pods available. No. 1, 4s.; No. 2, 2s. 9d.; No. 3, 2s.; old crop pods offered at 1s. to 1s. 9d. per lb., ex store.

SHELLAC.—After weakening the market partly recovered, closing steady with a fair business reported: spot, standard TN orange, 39s. to 42s.; fine orange, 52s. 6d. to 80s.; pure button, 47s. 6d. to 50s. per cwt. For delivery, TN, December, 39s.; March, 40s. 9d.; May, 41s. 9d. For arrival, TN, December-January, 38s. per cwt., c.i.f.

Tragacanth.—A quieter demand this week, with the spot position continuing steady; finest selected white ribbon, £65; No. 1, white, £57 Ios. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £45; amber leaf, £32; cleaned amber sorts, £16; brown to amber leaf, £11 Ios.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

Turmeric.—The few shipment offers of Madras finger are firm from 30s. per cwt., c.i.f. No "polished" quoted on spot, only a few lots of rough coated for which 29s. per cwt. is wanted. Market is firm.

Valerian root.—Dealers' prices for spot supplies continue in the region of 35s. per cwt., as to quantity.

region of 35s. per cwt., as to quantity.

Waxes.—Bees'.—The spot market has been quiet, but is keeping about steady. Shipment offers from the sources are rather restricted: good quality waxes, in bond, 92s. 6d.; duty paid, 10os. per cwt. Benguella, 86s. 6d., c.i.f.; Dar-es-Salaam, 97s. 6d., c.i.f., and Conakry, 87s. per cwt., c.i.f. Carnauba.—Spot quotations are about unchanged: shipment is slightly easier. Business generally quiet: fatty grey, spot, 152s. 6d.; affoat, 145s.; shipment, November-December, 138s., c.i.f. Chalky grey, spot, 145s.; shipment, November-December, 133s., c.i.f. Primeira, spot, good quality, 192s. 6d.; shipment, November-December, 130s. Mediana, spot, 185s.; shipment, 176s. per cwt., c.i.f.

#### Essential and Expressed Oils, etc.

Business has been no more than routine this week, with rather marked absence of bulk orders. Values, however, continue fairly steady, with some items distinctly firm. Japanese peppermint is firm for shipment. Sicilian lemon is again slightly cheaper as quoted for shipment.

ALMOND.—Only a limited amount of small spot business; bulk quantities quoted cheaply: English-made, cwt. lots, 2s. 6d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 6d.; smaller parcels, up to 3s. per lb. French bitter, 6s. to 6s. 1½d. per lb.

ANISE (STAR).—Business is reported to have again been quiet, with sales restricted to a few cases. The tone, however, tends firmer; slightly higher prices for good oil on spot are anticipated by the end of this week. There are no firm shipment offers from the source: spot, leads, nominal; tins, 3s. 6d.; drums, 3s. 4d. per lb., ex store.

Avocado Pear.—Business quiet, quoted at 46s. to 52s. 6d. per gallon, as to quantity

BAY.—Average small orders on spot: cases, 4s. 3d. to 5s. 3d. per lb., as to quality.

Bergamor.—It is reported that the Consortium shipment price in sterling is now up to 15s. per lb., c.i.f., owing to the further depression of sterling. No news as to quotations for new crop, but this is expected next week; on spot values for small lots would be about 15s. 3d. per lb., ex store. The market generally remains distinctly quiet.

Bois de Rose.—Spot values firm, business of small account: drums, 5s. 9d., with smaller quantities, re-packed, up to 6s. 3d. per lb.,  $\epsilon x$  store.

The Association of Essential Oil Extractors of Amazonas (Consorcio de Extractores de Essencias Vegetæs), which has an agreement with the Amazonas State Government limiting the quantity of bois de rose oil exported from Brazil, has recently decided to permit shipments up to 130 metric tons per annum. Formerly the limit was fixed at 80 tons. Quot is are stated to have been allotted to each of the nine association

Cajuput.—Limited quantities selling on spot: B.P., is. iid. to 28, 4d. per lb., as to quantity, spot.

Camphor.—Japanese white oil continues very short and firm on spot at 128s. per cwt., duty paid. An American product, described as this oil, is reported to be quoted much cheaper, but the origin and quality of this product is said to be in doubt.

Cananga.—Steadier at rather better figures: spot, 4s. 9d. to 4s. rold. per lb., according to quantity and packing; shipment is dearer at 4s. 3d. per lb., c.i.f.

Caraway.—Not much demand, market steady: Dutch rectified, 7s. 3d. to 7s. 9d.; crude, 6s. 9d. to 7s. 3d. per lb., as to quantity, landed and duty paid. Some shipment offers of Russian are reported.

Cassia.—Spot values are being maintained at reasonable figures for good quality oil, but the demand remains slow: spot, in leads, from 3s. 3d. to 3s. 4d. per lb., ex store. No shipment offers from source.

CASTOR. -B.P. quality, 41s. 6d. per cwt., in barrels, ex store, London. Hull, 2s. per cwt. extra. Small quantities, up to 2s. 6d. per cwt. dearer. Cases, 4s. per cwt. extra.

CEDARWOOD.—American oil tends dearer on exchange; fair inquiry continues: African, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb. American, in drums, 1s.; smaller packages, up to 1s. 4d. per lb.

CINNAMON LEAF. -The Ceylon oil, re-packed in limited quantities, is quoted on spot at about 2s. 6d. to 2s. 72d. per lb., as to quantity.

CITRONELLA.—These markets remain dull. Values for the Java pro-CITRONELLA.—These markets remain dull. Values for the Java product are barely maintained, and rather easier shipment terms for the Ceylon oil are anticipated in due course. The strong feature continues to be the lack of supplies of Ceylon oil on spot: Ceylon, spot, drums, from 1s. 7d.; smaller parcels, up to 1s. 11d.; shipment, drums, from 1s. 3½d. per lb., c.i.f. Java, spot, drums, 1s. 9½d. to 1s. 10d.; smaller parcels, up to 2s. 3d.; shipment, drums, around 1s. 4½d. per lb. c.i.f. lb., c.i.f.

CLOVE.—Spot values for re-packed Madagascar oil continues steady: Madagascar, spot, drums, 2s. 9d. per lb.; smaller parcels, up to 3s. 4d. English distilled, 4s. 10d. to 5s. per lb., ex store.

Coconut.—Continues steady: English, deodorised, in barrels, £25 per ton, ex works.

EUCALYPTUS.—Supplies of branded oil appear to be none too ample EUCALYPTUS.—Supplies of branded oil appear to be none too ample on spot; shipment quotations are cheap and fully steady; business generally only moderate: Australian, 70 to 75 per cent., tins, 1s. 2\frac{1}{2}d. to 1s. 3\frac{1}{2}d.; drums, 1s. 2d. to 1s. 2\frac{1}{2}d.; 80 to 85 per cent., drums, 1s. 6d. per lb., ex store, with higher prices for small lots; shipment, 70 to 75 per cent., tins, 1s. 1\frac{1}{2}d.; drums, 1s. 0\frac{3}{2}d.; 80 to 85 per cent., 1s. 4d. per lb., c.i.f.

Geranium.—All sorts of oil are being offered at appropriate prices. For genuine products the market continues about steady: Bourbon, spot, 10s. 3d. to 10s. 6d.; shipment, 10s. 3d. to 10s. 4½d., c.i.f. Algerian, spot, 11s. 9d. to 12s.; shipment, about 11s. per lb., c.i.f.

GINGERGRASS.—A limited quantity of oil is stated to be available here, quoted at 7s. 3d. to 7s. 4½d. per lb., ex store.

Grape-fruit.—Market remains dull: Californian, 10s. 3d. to 12s. Florida, 11s. to 12s. 6d. per lb., ex store, as to quantity.

Ho (shiu).—Continues firm on spot and in very small supply: no shipment offers noted: spot, "improved" quality, 4s. 4½d. to 4s. 6d.; "extra," 4s. 10½d. to 5s. per lb., ex store.

JUNIPER BERRY.—Business of small account, with quotations varying on the quality of the product from about 3s. 3d. to 3s. 9d. per lb. for limited quantities.

LAVENDER.—Most of the bulk business has been done for this season; spot values vary, with finest quality 38 to 40 per cent. quoted at 13s. 6d. to 13s. 9d. per lb., with other oils at cheaper prices. Lavandin is quoted at 5s. to 5s. 3d. per lb., ex store.

LEMON.—There is, as is usual at this time of the year, a lack of interest in the shipment market for Sicilian hand-pressed oil. Quotations are rather easier again on average but still rather too high to interest consumers. Good brands are now quoted in the region of 11s. per lb., c.i.f., for bulk quantities. Spot is practically nominal at 12s. 3d., ex store, with no bulk supplies noted. Blended oils at cheaper figures: Californian distilled scarce on spot; nominal at 1 dellar secents per lb. at I dollar 54 cents per lb.

Lemongrass.—Shipment market reported idle and rather easier: spot, is,  $7\frac{1}{2}$ d. to 2s. per lb., as to quantity and packing; shipment, is, 4d. per lb., c.i.f.

LIME.—This market continues unsettled, with little business pass-West Indian distilled is nominal at 17s. 6d. per lb., and this figure would be well discounted for good quantities.

Linseed.—Quoted rather dearer, with bears covering in: raw oil, spot, 25s. 3d. per cwt., naked. Boiled oil, spot, 28s. 6d. per cwt., ex

Mandarin.—Some shipment offers this week have been rather easier: new crop oil for shipment is quoted in the region of 15s. 6d. per lb., c.i.f.

OLIVE.-Moderate business, with quotations keeping steady: B.P., r per cent., 5s. od. per gallor, in drums. Edible quality, ten 1-gallon tins, in cases, 75s.; twenty ½-gallon tins, in cases, 77s. 6d. per case; drums, 6s. per gallon, ex store.

Orange.—There seems to be very little interest in the French Guinea oil, either on spot or new crop for shipment: spot oil, in drums, from 2s. 7½d. for single drums; re-packed, in tins, about 3s. per lb., ex store; shipment, new crop, December-January, 2s. 2½d. per lb., c.i.f. Californian, small drums, 59 cents; two or more cases, 61 cents per lb., ex store.

PALMAROSA.—Spot values are quite steady, with a few inquiries reported at 7s. 7½d. per lb. for bulk packages; shipment, 6s. 9d. per lb., c.i.f. Java oil available at about 4s. 9d. per lb., ex store.

PATCHOULI.—Spot values for genuine Singapore are being depressed by cheap offers of other oils: Singapore, spot, 10s. 9d. to 11s.; Seychelles, spot, about 9s. 9d. Java oil, about 9s. 9d. per lb., ex store.

PEPPERMINT.—The Japanese product has had a rather quieter week of business, but the general tone is fully steady. On spot, 4s. 9d. to 5s., as to brand and seller. Business in near afloat reported done at 4s. 7d., c.i.f., On the market buyers of October-December at 4s. 3½d., with sellers at 4s. 5d., c.i.f. Japanese shippers make very few offers of November-December at 4s. 7d., c.i.f., most quotations being for January-March at 4s. 6d., c.i.f., with market sellers of this position at 4s. 3d., c.i.f. American natural oil continues steady at 2 dollars 30 cents to 2 dollars 35 cents per lb., c.i.f. steady at 2 dollars 30 cents to 2 dollars 35 cents per lb., c.i.f.

Petitgrain.—Steadier, with a fair inquiry moving: spot, in cases, 3s. 8d. to 3s. 9d. per lb.; shipment, 3s. 2½d. per lb., c.i.f. to come forward, quoted from source at 950 francs per kilo.

RAISIN SEED.—Dealers' prices are unchanged: Californian, spot, 2s. 3d. to 2s. 6d. per lb., ex store, as to quantity.

Rosemary.—A little doing in the way of smallish spot orders: genuine Spanish quoted at 3s. to 3s. 6d. per lb., as to quality and quantity. Tunis, new crop, 2s. 6d. to 2s. 8d. per lb., landed, as to quantity.

14s. 6d. per lb.

Sassafras.—Holders of spot stocks of genuine natural oil of fine quality are quoting at 4s. to 4s. 3d. per lb., as to quantity.

Spearmint.—Market is quoted rather dearer: spot steady: U.S.P. oil, spot, about 9s. 3d.; shipment, firm at 8s. 6d. per lb., c.i.f.

Spike.—Quotations for spot oil vary as to quality: genuine fine quality Spanish oil continues steady on spot at about 5s. 3d. per lb., ex store.

Turpentine.—Market is quoted easier. London stocks on November 12 totalled 25,350 barrels: spot, London, 33s.; Hull, 34s. 6d.; Liverpool, 35s. per cwt.

Vetivert.—The average price for small parcels of good quality Bourbon is about 14s. 6d. to 15s. per lb., and slightly less for drums, ex store.

Wormseed.—Market is steadier on exchange, business quiet: U.S.P. oil, spot, 11s.; shipment, 10s. 3d. per lb., c.i.f.

## Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor ]

#### Co-opted

SIR,-May I express through your columns my sincere thanks to all those friends and associations who have sent letters of congratulation on my having been co-opted a member of the Council of the Pharmaceutical Society? I deeply appreciate the honour the Society has done me and will do my best to be worthy of their trust and confidence.

Yours faithfully, CHARLES DAVIS.

Leamington Spa.

#### P.A.T.A. Council Election

SIR,—Owing to the varied conditions of the trade existing in the country, it is necessary that the P.A.T.A. Council should be composed of men of wide experience and of keen interest in the work of price protection. The Birmingham Pharmaceutical Association submits for the consideration and adoption of the electors the candidature of Mr. H. H. Marshall, who as the chairman of the Retail Section of the Council, chairman of the Chemists' Friends' committee and a member of the National Pharmaceutical Union Executive, has gained in these capacities a knowledge which qualifies him for the post. On behalf of this Association, I would ask all electors to vote for Mr. H. Marshall, who has served us so well on the P.A.T.A. Council during the past fifteen years; in addition, Mr. Marshall has been active in local price protection for an even greater length of time.—Yours faithfully,

D. J. Rushton,
Secretary.

#### Avoiding Duplicated Stocks

SIR,—I was certainly interested to see that the report of our meeting caused "Stock-Taker" to set out many of the difficulties confronting the individual retail pharmacist to-day. He says that it is difficult to see how stocking duplicate lines can be avoided. This may be true with regard to adver-tised lines, but it can be avoided with "own name" specialities. How many pharmacists have in their shops to-day more than one "own name" influenza mixture? Most have two or three, each packed by a different firm. One assistant recommends one and another a different one. A point made by our speaker was that a pharmacist should have only one line of his own in each group of remedies; one influenza mixture, one cough mixture, one cough lozenge, one nerve tonic, one indigestion mixture, one embrocation, one hair tonic, and so on. The same remedy would thus be always recommended for the same complaint by each assistant, thus creating greater confidence among customers. Should the customer say that he has tried this before and wants something different, there is the opportunity for a little effective counter prescribing.—Yours faithfully,

Wimbledon and District Pharmacists' Association. THOMAS JAMES, Secretary.

#### Who Keeps the Stock?

Sir,—"London Wholesaler," writing on "Wholesalers' Delivery Costs" (C. & D., November 12, p. 539) states that the real stock-keeper is the wholesaler and not the retailer. This may be partly, but it is not wholly true, because there can be few retailers who order the whole of their stock in units. I think "London Wholesaler" would admit that the chemist cannot order in quantity a branded face powder which is issued in half a dozen different shades and as many different perfumes with each shade, or more than one or two units of the many proprietaries which are only asked for, say, once a week; or which he has to obtain for some special customer. The chemist is obliged to discriminate between those lines that are in good demand (which he orders in direct parcels or on best terms through his wholesaler) and those in slow or occasional demand (which he obtains in singles via his daily delivery). There is less trouble or wasted time in the latter method than might be supposed. The order pad, supplied ruled and addressed by the sundries houses, is kept handy on the desk or counter, and when a sale is made the item is written down at once. At the end of the day the order is ready for post, while, if the wholesaler rings up each morning, it only takes a minute or two to read it out. So far as

the time taken up in checking the goods and putting them away is concerned, I do not think this is any more than that required if the goods are bought in bulk. In the latter circumstances they cannot all be stored in the shop, but must be put away in a stockroom or cellar, so that there are two operations instead of one—first putting the bulk into stock and then bringing out a few at a time into the shop. When only one package of a preparation is kept in stock there is, of course the possibility of losing a sale as soon as it is sold, but such a result is not of frequent occurrence. What would happen if chemists were unable to buy slow-selling proprietaries in this way? Most probably they would discontinue supplying those items that they now keep in sixths or twelfths, and customers wanting to buy them might have to try half a dozen pharmacies before obtaining the preparation they required, or accept an equivalent. I leave it to the manufacturers to decide whether this would be to their ultimate advantage.—Yours faithfully,

LONDON RETAILER (12/11).

#### W. H. Saunders Essay Competition

SIR,—With reference to the report of the W. H. Saunders essay competition (C. & D., November 12, p. 518), I wish to inform you that there are two distinct W. H. Saunders essay competitions; the first open to all students, irrespective of age, of the Liverpool School of Pharmacy, and the second open to all employees of Ayrton, Saunders & Co., Ltd., under the age of twenty-one. The recent award is in connexion with the first of these. The second is held at the end of the season.

Yours faithfully, Ayrton, Saunders & Co., Ltd., Harold Nixon, Director.

#### John Thomas Barry

SIR,—I was interested to read in "Topical Reflections" (C. & D., November 12, p. 519) that J. T. Barry is credited with being the first to use angular bottles for storing poisons. I find in "Plough Court" a note to this effect, but have never been able to check it; he may well have initiated this custom, as he was a pharmacist of considerable ingenuity. He entered the service of William Allen (the first president of the Pharmaceutical Society) when he was fifteen years of age, and was admitted to partnership in August 1818. His chief contribution to pharmacy was a paper submitted to the Medical and Chirurgical Society describing a new method of preparing extracts in vacuo. This was a vacuum process that was an early forerunner of the vacuum pan in use in pharmaceutical laboratories to-day. The diagram (illustrated in ceutical laboratories to-day. The diagram (illustrated in Patent No. 4376, May 1819) shows an apparatus in which no pump or machinery was used, exhaustion in the vessels being produced by steam and maintained by immersion of the whole in water. Although considerable quantities of extracts, such as henbane, etc., were produced by this apparatus, its use never became common. Barry was a Quaker and lived twenty years after William Allen's death in 1844. It is a pity that so far as I can trace, there is no portrait extant of this fine old pharmacist.—Yours faithfully,

HISTORIAN (14/11).

#### " Practising" Pharmacists

SIR,—The term "practising pharmacist" (C. & D., November 12, p. 519) admits of elastic interpretation. Apparently any qualified chemist can apply the title to himself if he is in any way connected with the practical work of pharmacy, whether in retail business or in hospitals or institutions. Anyone who is fortunate enough to own, or have an interest in, a pharmacy sufficiently well established to employ a permanent qualified manager and one or two assistants, may be able to limit himself to occasional appearances at his business premises, and yet still claim that he is a practising pharmaciet. Unless he is in some such circumctances as those it is cist. Unless he is in some such circumstances as these, it is difficult to see how a pharmacist can have sufficient time available to devote to the work of other bodies, local affairs, committees, or, as in the problematical case under discussion, as a member of Parliament.—Yours faithfully, WORKING PHARMACIST (12/11).

### Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

 $W.\ G.\ (8/\text{ii}).\mbox{—Foam producer.}\mbox{—The following formula for a foam producer may meet your requirements:—}$ 

Quillaia,	fine	chips	 	 	5½ av. oz.
Alcohol			 	 	10 fl. oz.
Water			 	 	Sufficient.

Mix the drug with 24 fluid ounces of water, boil for 15 minutes. Strain and add enough water through the strainer to make the volume equal to 22 fluid ounces. Mix the liquid when cool with the alcohol, let stand for 12 hours, filter, and to the filtrate add enough water to measure 32 fluid ounces.

to the filtrate add enough water to measure 32 fluid ounces.
We suggest that you add small quantities of this solution to the beer to produce the required amount of frothiness.

S. A. B. (II/II).—VETERINARY PAINT.—The following can be used as a veterinary paint for splints, spavin, ring bone, bursal swellings, etc., in horses, for foot rot in sheep, and over small areas for ringworm in cattle. It cannot, however, be used for dogs, cats or calves where there is a possibility of being licked:—

Camphor		 		3iv.
Iodi resub		 		зij.
Ol. terebinth		 		3j.
Hydrarg, perchle	or	 	٠.	gr. 80
Alcohol		 	ad	3viij.

Paint on daily if necessary until some desquamation occurs.

 $J.\ R.\ M.\ (14/II).$ —PILL VARNISHES.—The following are satisfactory formulas:—

	I		
Sandarac		 	 3j.
Alcohol (98 per cent.	)	 	 Зij.
	II		
Sandarac		 	 3ivss
Methylated chloroform	m	 	 3ivss
Methylated ether		 	 Зiх.
	III		
		 	 Зііј.
Absolute alcohol		 	 3νj.
Ether		 • •	 Ziij.

L. L. S. (II/II).—Assay of stainless iodine ointment,—The method is as follows:—Boil about I gm. of the ointment for approximately one hour in a reflux condenser with IO c.c. of glacial acetic acid and I gm. zinc filings. Then add 30 c.c. of hot water down the condenser tube. Filter the liquid through a plug of wet cotton wool and wash the flask and filter with two portions of 20 c.c. of water. Cool the filtrate, place in a stoppered bottle and add IOO c.c. of concentrated HCl and a few c.c. of chloroform. Titrate with M/20 potassium iodate solution (10.702 gm. per litre). The solution becomes dark brown owing to the liberation of iodine. Continue titration until the colour changes to light brown. This is due to the formation of iodine monochloride, the hydrolysis of which is prevented by the high concentration of the hydrochloric acid. Shake the mixture and observe point at which the violet colour of the iodine in the chloroform disappears. The end point is very sharp. [I mil M/20=0.01269 gm. iodine.]

V. C. (9/11).—Cellulose varnish.—The following are suitable formulas:—

		I				
Celluloid trimi	nings				٠.	I OZ.
Acetone, Amyl acetate				of c	ach	10 OZ.
Amyr acetate			• •	01 6	acn	10 02.
		II				
Pyroxylin	٠.					2 OZ.
Benzene						40 OZ.
Acetone						20 OZ.
Amyl acetate						40 Oz.

J. W. M. C. (10/19).—DISPENSING DIFFICULTY.—Two mixtures were made, the one with pure rain water, and the second with rain water to which was added lime water to give calcium content as might be expected from rain water which had been "limed" in the manner suggested. The first sample is still perfectly clear, but the second is just, after a fortnight, beginning to show signs of deposit. It appears to make little difference whatever is the order of mixing the ingredients. It may be concluded, we think, that the presence of the lime is the contributory factor.

H. S. W. (14/11).—Anti-freeze solutions.—The following tables give the freezing points of various glycerin and water mixtures used for motor-car radiators:—

Glycerin Per cent.				Free	zing poin
20	٠.	 	 		23
30		 	 		15
40		 	 		4
50		 	 		-9
60		 	 		- 30

An alternative solution for radiators which remains liquid at temperatures above  $-20^{\circ}$  F. consists of potassium carbonate, 75 parts; water, 100 parts; glycerin, 50 parts.

H. C. R. (15/11).—BOOKS ON MEDICINAL BATHS.—The following should provide the information you require:—Calthrop's "Hydrotherapy and Physiotherapy," Heinemann, 5s. Fox's "Medical Hydrology," London University Press, 6s. Foster's "Baths and Medicinal Waters of Britain and Europe," 12s, 6d.

J. C. W. (11/11).—SILVERING OF GLASS.—The procedure is as follows:—

Silvering	Solution		
Silver nitrate		 	30 gm.
Distilled water		 	240 C.C.
Solution of ammonia		 	g.s.

Dissolve the silver nitrate in water, add the ammonia until the precipitate formed redissolves, filter and make up to 480 c.c. with water.

Redu	cing Solu	tion	
Potassium sodium	tartrate.		 0.75 gm.
Distilled water		:	 300 C.C.
Silver nitrate			 0.166 gm

Dissolve the Rochelle salt in the water and boil, then add the silver nitrate and boil for another ten or fifteen minutes until grey, filter and make up to 480 c.c. of water. For use, mix 30 c.c. of each solution with 120 c.c. of water and pour over the surface of the glass to be treated. In about an hour the whole of the silver will be deposited, the glass then being rinsed in water, set up on edge to dry and finally backed with a protective coating of varnish. The glass must be scrupulously clean before silvering.

An alternative method consists of smoothing out a sheet of tin foil of the size of the glass on a level slab. The foil is then amalgamated with mercury by pouring the latter on the foil and distributing it with a woollen cloth. The sheet of glass, previously cleaned, is then carefully lowered on to the amalgam and the excess of mercury pressed out from the sides of the glass. Weights may be put on the glass to ensure complete removal of mercury and the glass left in contact with the amalgam for thirty hours. It is then raised to drain and finally varnished to protect the amalgam covering.

### Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," November 17, 1888

The British Pharmacopæia

One of the events of the week is the publication of a third reprint of the British Pharmacopæia, 1885, consequent on the exhaustion of the second reprint, published in October 1886. The second reprint numbered 6,000 copies, and the first impression amounted to 20,000 copies. Together those editions, if we may so call them, have yielded the General Medical Council a profit of over £1,200. Those who are interested in the advance of pharmacy, considering that a large part of this profit is taken from pharmacists, may have a wish to acquire a share of it for the endowment of research. And, although it may be that pharmacy, having had its money's worth, has no direct claim upon the Medical Council, it can hardly be unfair to suggest that the Council might do more than it does for practical pharmacy. At present all that the Medical Council pays for professional assistance is the annual retaining fee of £100 to Dr. Attfield for his reports on the progress of pharmacy so far as this relates to the British Pharmacopæia. In his last report Dr. Attfield mentions, as being of first importance, "the original researches of pharmacists, pharmacologists and therapeutists."

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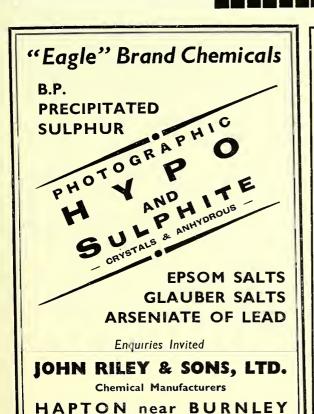
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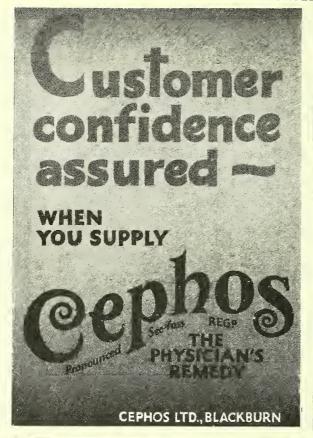
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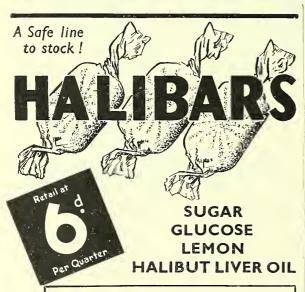
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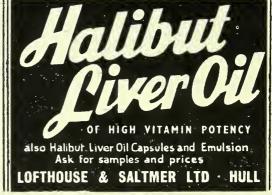


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WEATHER: FAIR, PAGE 11

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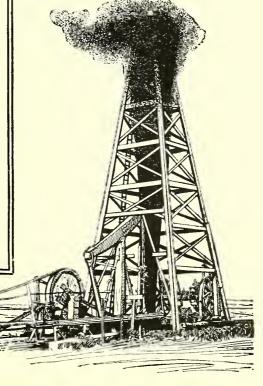
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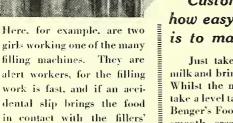
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NOVEMBER 19, · 1938 ·

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£1,300; maisonette over; long lease; inclusive purchase price required £1,850.

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going in 107 method; piec £030 pins stock and in all about £1,700.

4.—CRICKLEWOOD.—Good-class Business run under management; takings exceed £2,500 per annum; reasonable inclusive rental; modern flat over; attractive Pharmacy; inclusive purchase price about £1,500; valuation terms considered.

5.—LEYTONSTONE.—Middle-class Business in main road; takings last year £2,344; beautifully-fitted pharmacy; modern living accommodation; offers invited; genuine reason for sale; price for goodwill and valuable lease about £200; stock and fixtures at valuation; stock about £700.

vanishe rease about 1,200, about 1,200, about 1,200, 6.—ALDGATE (NEAR).—Old-established Business for sale owing to ill-health and retirement; in present hands 28 years; takings last year 1,2,250; Panel cheque averages about 1,36 per month; stock worth about 1,400; fixtures and fittings over 1,300; living accommodation; inclusive purchase price required 1,500.

inclusive purchase price required \$\int\_{900}\$.

7.—KILBURN.—Middle- and Working-class Cash Retail Business offering scope for increase; returns last yeer under management over \$\int\_{1,100}\$; rent \$\int\_{100}\$ per annum, sublets will amount to \$\int\_{130}\$ per annum; price required for lease, goodwill and fixtures \$\int\_{200}\$, plus stock at valuation.

8.—NORWOOD.—Old-established Cash Retail Business; takings last year \$\int\_{1,000}\$; good living accommodation; excellent stock and fixtures; inclusive purchase price required \$\int\_{775}\$; management with view to succession considered; \$\int\_{50}\$ down.

9.—HACKNEY.—General Retail Business, main road; takings last year \$\int\_{2,034}\$; gross profit \$\int\_{743}\$; rent \$\int\_{120}\$; inclusive purchase price required \$\int\_{450}\$; stock worth nearly \$\int\_{230}\$; vendor leaving pharmacy.

10.—STROUD GREEN.—General Retail Business with excellent Panel; established 1870; turnover last year \$\int\_{1,619}\$; net profit approaches \$\int\_{400}\$ per annum; certified figures; heavy stock; excellent living accommodation; rent only \$\int\_{70}\$ per annum; vendor buying another business; would accept valuation terms; total price about \$\int\_{750}\$.

11.—FOREST GATE (NEAR).—Middle-class Business in marketing

11.—FOREST GATE (NEAR).—Middle-class Business in marketing thoroughfare; turnover nearly £2,000 per annum; gross profit £700;

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audited accounts; rent only £65 per annum; menusive purchase price £1,050.

12.—BRIXTON.—For immediate disposal, Middle-class Business; turnover nearly £1,500 per annum; stock worth £500; inclusive purchase price about £900; very good living accommodation.

13.—CRYSTAL PALACE (NEAR).—Middle-class Business with Optical; scope; takings approach £1,700 per annum; gross profit £565; stock and fixtures worth about £800; living accommodation; rent £85; sublet £50; inclusive purchase price asked £1,150.

14.—WEST COUNTRY.—Middle-class Mixed Business for disposal; turnover exceeds £2,000 per annum; new lease at reasonable rental; inclusive purchase price about £1,500.

15.—BIRMINGHAM (HALL GREEN).—Good-class Business; Kodak agency; in present hands 16 years; takings nearly £1,200 per annum; very nice living accommodation and beautifully fitted attractive Pharmacy; inclusive purchase price asked £850; near offers considered.

16.—CADOXTON, BARRY.—Good Middle-class Cash Business;

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17.—BRIGHTON.—General Retail Business with excellent sale for own preparations; turnover averages nearly £25 per week; net profit £7 per week; reasonable rental; inclusive purchase price £400 or near. 18.—SOMERSET.—Village Business for sale; takings last year £1,025; net profit £300; price required for the business about £575; no near opposition; spacious living accommodation; property can be purchased or leased; price for property £675, or rent £52 per annum. 19.—STOKE-ON-TRENT.—General Retail Business; turnover £1,120; N.H.I. £2 125. per week; living accommodation; rent £1 per week; stock worth £270; first reasonable offer obtains. 20.—AYLESBURY.—General Retail Business with Kodak Agency; returns about £800, have been £1,200; double-fronted shop; stock and fittings estimated to be worth £350; small house and garden; 13 years' lease; option to purchase property; about £400 will be accepted. 21.—WINCHESTER.—Cash Drug Store for disposal owing to retirement; scope for qualified; takings £10-£12 per week; excellent profits; living accommodation; rent £65 per annum at present; inclusive purchase price asked about £450, or valuation terms will be considered. 22.—BLACKPOOL (RETIREMENT VACANCY).—Middle-class Business with sub-post office attached; net profit nearly £400 per annum; low rent; inclusive purchase price required £600, which is little more than the value of the stock and fixtures. 23.—LIVERPOOL (DEATH VACANCY).—High-class Dispensing Business; in late proprietor's hands 32 years; turnover over £1,800 per annum; net' profit £430; stock £600; nice living accommodation; garage; new lease at low rental; inclusive purchase price a

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7.—OXFORD STREET (NEAR).—Well-established Business; in same hands many years; present returns £2,250 under management; gross profits over 45 per cent.; plenty of scope; price £300, plus valuation of stock and fixtures, in all about £1,100.

8.—EDGWARE (NEAR).—Well-established good-class Business in prominent positiou; returns £2,624, books audited; attractive Pharmacy with flat over; price £1,500 or £250 plus stock and fixtures at valuation.

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LIVERPOOL.—Forty years established Business of the late W. J. Axe, M.P.S.; coruer site, main cross roads; good N.H.I., excellent photographic, optician's test case, etc.; low rental; house over, sublet; price valuation of stock and fixtures only. Write to premises, 143 Wavertree Road.

DRUG Store, large Somerset village, main road; Kodak and Selo; very low overheads; nearest Chemist 3 miles; illness sole reason of disposal; living accommodation; good garden. 93/48, Office of this Paper.

259 AMHURST ROAD, HACKNEY, N.16.—To Let or for Sale. Shop and dwelling house with garage in rear; for over 20 years occupied by Chemist who recently vacated through illness due to overwork; good position, close to large blocks of flats; no similar business near; rent on lease £100 to £125; price freehold £1,500. Apply J. P., 6 Stoke Newington Road, N.16.

£100 PURCHASES Old-established Herbal Stores and Medical Rubber Goods business; situated main road, South London; under management shows good profit; large double-fronted shop and 7 rooms, kitchen, basement, yard; rent only 25s. weekly, inclusive; price includes stock, fittings, fixtures, good-will; lease or agreement. Write or call, 24 Trafalgar Road, Greenwich, London, S.E.10.

£250.—No offers; middle-class Drug Store with no opposition; semi-main road, Essex; turnover £15 per week under management; rent 25s. inclusive; 14-year lease; 2 rooms and scullery, large basement; could be sublet; rear entrance; smart double-fronted shop; well stocked, including a good range of Christmas lines; good reason for selling; must sell before Christmas. Write, 93/19, Office of this Paper.

#### PREMISES TO LET

6s. for 36 words or less; Id. for every additional word, prepaid. (Box No., Is. extra.)

BRADFORD.—Modern shop premises situate in centre of Corporation Housing Estate at Five Lane Ends (738 houses) and numbered 42 Swaiu House Road; premises comprise shop, living room, scullery, four bedrooms, bathroom and w.c.; rent £70 per annum. For further particulars, apply H. B. Townend, Estate Agent, Town Hall, Bradford. Phone 6574.

PRADFORD.—20 Bridge Street, attractive Shop with modern shop front fitted, situated immediately opposite newly-erected block of shop and office property; rent £100 per annum. For further particulars, apply H. B. Townend, Estate Agent, Town Hall, Bradford. Phone 6574.

CHATHAM.—To let, up-to-date Shop, with excellent living accommodation, main road, busy thoroughfare; suit Chemist. Basil Seymour, Ltd., Estate Agents, 5 Watling Street, Chatham,

WEST LONDON.—Adjoining Fifty Shilling Tailors, Tesco Stores, etc., shop and upper part, about 18 ft. by 40 ft., in modern parade; commencing rent only £175 per annum; shop front fitted for approved tenant; splendid opening for Chemist. Apply Hillier, Parker, May & Rowden, 27 Maddox Street, W.1. Tele. Mayfair 7666.

A DJOINING large new Cinema; modern shop premises with or without self-contained flat over; new housing estates all round; bright open situation for improving trade; moderate terms offered; immediate inspection advised. Apply to Roberts & Cleave, Chartered Surveyors, Royal Parade, Western Avenue, Ealing, W.5.

 $\mathbf{E}^{ ext{XCELLENT}}$  opening for up-to-date Pharmacist or Company Chemist at best end of main street in rapidly developing town about 20 miles from London; premises probably available early in New Year. H. S., 336/312, Office of this Paper.

OPPORTUNITY for Chemist; prominent position; corner shop with garage; on bus route; near station; companies' ser-vices; rapidly-growing district; near London; rent 17s. 6d. 337/319, Office of this Paper.

POPULAR SOUTH LONDON SUBURB.—Now ready for occupation. New parade of 7 shops, each with flat over of 3 rooms, K. & B.; frontage about 20 ft. To let at £160 per annum. Shops already let to Tobacconist and Confectioner and Grocer. Full particulars from Sole Agents, HILLIER, PARKER, MAY & ROWDEN, 27 Maddox Street, W.1. Telephone: Mayfair 7666; Messrs. Furlongs, 78 High Street, Eltham. Telephone: Eltham

To LET.—Early spring. New shop and house, 35s. weekly, plus rates; between Luton and Dunstable, opposite new large county Hospital; plan on request; large quickly growing district; no competition. Harrison, 74 Alma Street, Luton.

#### **AGENCIES**

A GENT requiring extra line on straight commission. Send particulars of area; all districts open except Scotland. 336/311, Office of this Paper.

REPUTABLE Firm of Distributors required as Agents for bacterial cure for colds, pneumonia, etc.; must have good selling and delivery service, and be able to push sales on usual basis; similar product for dogs also available. 93/5, Office of basis; simil

#### BUSINESS OPPORTUNITIES

A DVERTISER with large connexion with Chemists, Hair-dressers, etc., wishes to expand and invites capital, especially from outside salesmen or sleeping partners, prior to eventually launching a Public Company; would join a National Company. X.Y.Z., 90/2, Office of this Paper.

#### SALES BY AUCTION

B. NORMAN & SON

announce highly important SALES OF SHOP EQUIPMENT

at 2.5 LITTLE BRITAIN (close to G.P.O.), E.C., on Wednesday, November 23, at 12 noon.

Over 600 lots of practically new SHOWCASES AND SHOP EQUIPMENT including Drug Runs, Wall and Counter Showcases, Silent Salesmen, Plate-Glass Counters, Mirrors, Display Stands, Cash Registers, Office Furniture. View day prior. Catalogues on application. Tel. NAT. 6463.

At STANGERS STORES, GRANADA HOUSE, MAID-STONE, on Thursday, November 24, at 12 noon. THE ENTIRE EQUIPMENT of these large STORES (all new about 6 months ago), including the Fittings of the CHEMISTS' DEPARTMENT by Spreckley, "TANNOY" SOUND INSTALLATION, Electric Fittings, etc. View 2 days prior. Catalogues on application. Tel.: NAT. 6463.

#### **APPOINTMENTS**

#### NAPSBURY HOSPITAL, near ST. ALBANS, HERTS

ASSISTANT DISPENSER (Woman) wanted at once; salary £150 per annum, rising by £10 per annum to £190, plus dinner daily if living out; or £100 by £10 to £140, plus board, lodging and washing valued at £60 per annum. Candidates should be Qualified, and under 35 years of age. The appointment is subject to Asylum Officers' Superannuation Act, 1909. Applications in writing, euclosing copies of testimonials, and full particulars of present appointment to THE MEDICAL SUPERINTENDENT.

#### **APPRENTICES**

YOUNG Lady Apprentice wanted for good-class Pharmacy; small wage given. Apply, stating age and standard of education, to Pond & Maddison, 150 Golders Green Road, N.W.11.

#### SITUATIONS OPEN

#### RETAIL (HOME)

6s. for 40 words or less; Id. for every additional word, prepaid. (Box No., Is. extra.)

BIRMINGHAM.—Gentlemanly Youth as Junior Assistant; one just finished his apprenticeship and willing to display some interest in the position liberally dealt with; permanency. 92/8, office of this Paper.

COVENTRY.—Wanted at once, a Junior Unqualified male Assistant; applicants must be well versed in Dispensing and used to high-class Pharmacy; only capable men will be considered; state wages required and enclose references in first letter. 86/14, Office of this Paper.

L ONDON.—Young Lady Assistant, with general all-round experience; permauency if satisfactory. Apply with full particulars, stating age, height, salary required, and when at liberty. 93/15, office of this Paper.

L ONDON, S.W.—Qualified young conscientious male or female. Kindly give age and experience and full particulars in first letter; initial salary £4 per week. 88/3, Office of this Paper.

L ONDON, W.1.—Wanted intuediately, Qualified Junior (male) as Third Assistant for Dispensing Business. Applicants having recently Qualified and desiring West End experience would be considered. Please apply, giving full particulars of experience, etc., 93/6, Office of this Paper.

WEST RIDING OF YORKSHIRE.—Experienced Qualified Manager required for branch; good-class Dispensing Business; married man requiring permanency preferred. Apply, giving usual particulars, age, height, experience and salary required, to 93/20, office of this Paper.

A SSISTANT, Unqualified, for good-class Family Dispensing Business; required soon; must have had genuine experience in Dispeusing and Counter duties; permanency to right person. Please state full particulars and salary required in first letter. 93/4, Office of this Paper.

IF you are a Retail Chemists' Assistant with little hope of further prospects, why not become an outdoor Salesman for one of the manufacturing houses? There are opportunities even beyond this to become Sales Manager; moreover, you can qualify by spare-time home study, after which you will receive introductions to SALARIED Sales vacancies. Send to-day for FREE copy of an interesting 44-page book, "Salesmanship," to Wallace Attwood College, Ltd., Dept. 84, Victoria House, Southampton Row, London, W.C.1.

JUNIOR or young Unqualified Assistant required as soon as possible (male); little time given off for study if required; used to quick N.H.I. Dispensing. Apply personally or in writing to 0. Tobin, Ltd., 49 Harford Street, Mile End, E.1.

L ADY Assistant, accustomed to Light Retail business, with knowledge of Toilet. Please give full particulars, stating when disengaged, age, height and salary required, enclosing photograph or snapsnot if convenient. Croasdale, Chemist, Bury St. Edmunds.

L ADY Assistant Dispenser wanted for Doctors' Surgery (under 23); experience an advantage. Apply, with testimonials, to B. G. C. B., 2 Union Place, Wisbech.

LADY Assistant wanted for North London; must be quick Dispenser and good Window-dresser. Full particulars and salary required to 93/23, Office of this Paper.

M.P.S. required; man interested, and has served in a Confactory trial would be given an interest in the Store; give fullest particulars, age, photo (to be returned), married or single, wages required, when free; for West of England. 93/1, Office of this Paper.

MR. R. WOOLBY BROOKE has a vacancy for a tall, unmarried Qualified Assistant (male). Applicants, preferably with London experience, are asked to send particulars of themselves by post to "B," 38 Gloucester Road, S.W.7.

PART-TIME Assistant required, chiefly for dispensing; permanency. Apply Dudley Pring, Chemist, 560 Westhorne Avenue, Eltham, S.E.9.

#### PHARMACY

QUALIFIED MALE ASSISTANT required. Apply in writing, stating age and experience to THE STAFF MANAGER, ROYAL ARSENAL CO-OPERATIVE SOCIETY, LTD., 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." NOTE.—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED Chemist-Optician to manage old-established Family and Agricultural business in Lincolnshire; takings £2,500-£3,000, scope for development; good living accommodation available; financial interest if desired. Send full particulars, including date available, Secretary, 19 Abbey Road, Darlington.

QUALIFIED Registered Superintendent, middle-aged, for light Retail and Dispensing Business; Window-dressing and good Dispenser; moderate salary; S.W. London. Write, with references, 93/3, Office of this Paper.

UNQUALIFIED Assistant (over 21) required for quick Family business, accustomed to brisk Counter work and N.H.I. Dispensing; to commence duties immediately if possible. Please state particulars regarding experience and salary required to J. T. Davy, Ltd., 128 Fore Street, Edmonton, N.18.

U NQUALIFIED Assistant required, either sex, for hranch Pharmacy at Upminster, Essex; Counter experience essential. Applicants should state age and experience. Apply Bowerman, Cash Chemists, Ltd., 606 Longbridge Road, Dagenham.

UNQUALIFIED Lady wanted; highest-class Toilet experience essential; some Dispensing knowledge an advantage. Apply, stating age, previous experience and salary required, with references, to G. Loxton Grinstead, 2 Upper High Street, Epsom, Surrey.

#### PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

UNQUALIFIED male Assistant wanted for North London; must be quick and accurate Dispenser and good Window-dresser. Reply, with full particulars and salary required, to 93/230, Office of this Paper.

WANTED.—Unqualified Assistant required for good-class Dispensing and Retail business; must be a good salesman and Window-dresser; courteous, competent and undeniably trustworthy; well-appointed flat above business available. Kindly state full details of age, height, salary required, when disengaged, previous experience, etc., and enclose photo (returnable). D. T. Evans, Ltd., Chemists and Opticians, Margate.

YOUNG Lady Assistant (Unqualified), with good all-round experience, especially Toilets and Photographic and Windowdressing. Lester, Chemist, 3 Elin Park Parade, Stanmore, Middle-

#### WHOLESALE

#### GENERAL MANAGER

IMPORTANT.—Applications are invited for the positiou of GENERAL MANAGER TO LONG-ESTABLISHED COMPANY IN NORTH OF ENGLAND, whose products have a household name, and are distributed mainly through Chemists.

Applicants who do not fulfil the following qualifications will waste time in writing. We want a man of integrity and energy (age 35-45) with executive experience in the proprietary field of marketing, selling and advertising. The ability to carry responsibility, to organise and coutrol staff are first essentials.

Fullest details of previous work are needed, and careful mention should be made of any previous work in the export field. Give names of six business and three personal references, and state present salary.

This appointment is regarded as important and applications will be rigorously investigated. All information will be regarded as absolutely confidential. Write, MANAGING DIRECTOR, 92/2, Office of this Paper.

L ONDON.—Well-known Pharmaceutical house requires a Pharmacist, with considerable practical ONDON.—Well-known Pharmaceutical house requires a Pharmacist with considerable practical experience to assist in the development of new products. The post is progressive, with excellent prospects and participation in superannuation scheme. Applications stating age, education, pharmaceutical qualifications, initial salary required, and giving fullest particulars of practical experience will be treated as strictly confidential, and should be addressed to Managing Director, 337/315, Office of this Paper.

LEADING Manufacturers of nationally advertised products require the full-time services of two Representatives to develop sales with Co-operative Societies. One will reside in London, the other in Manchester.

These appointments are due to the rapid progress with Co-operative Societies of the products to be handled, and personal connexions with buyers and a thorough knowledge of Co-operative Society trade are essential. Reply, and in strictest confidence, give full details of experience, age and salary required, to 337/321, Office of this Paper.

MANUFACTURING Chemists have vacancy for young energetic Representative; previous experience and adaptability essential; car driver; duties varied and interesting; good prospects; Scotsman preferred. Apply, with copies of recent references, to 337/320, Office of this Paper.

MEDICAL Representative required to call on Medical Profession, introducing products of well-known Ethical Pharmaceutical House; single man, 25 to 30 years of age; previous experience not essential, but must be Qualified Chemist. Write, giving age, qualification, etc., 336/313, Office of this Paper.

OLD-ESTABLISHED Firm of Manufacturers require from January 1, a Qualified Chemist to represent them in South London and the adjacent counties; previous Representative experience not necessary, but must be smart and energetic; commencing salary, £5 weekly, with travelling expenses. Write, stating full particulars. Subsequent London interview arranged with suitable applicants. 337/318, Office of this Paper.

#### ALL HOSPITAL PHARMACISTS & DISPENSERS The National Assoc. of Chemists' Assistants

INCORPORATED IN THE CHEMICAL WORKERS' UNION BENEFITS: Trade Protection, Legal Aid, Unemployment Benefit, Free Use of Employment Bureau
WRITE FOR PARTICULARS: Arthur J. Gillian, Gen. Sec., 149 Newington Causeway, London, S.E.I

QUALIFIED Chemist required for Croydon works; previous works experience esseutial; knowledge of Veterinary preparations preferred. Apply 337/314, Office of this Paper.

PEPRESENTATIVES required immediately, calling on Retail Chemists, Stores, etc., to carry additional lines in Perfumery and Toilet preparations for the Christmas trade on commission basis; opening throughout the year on expenses and commission if results satisfactory; references required. Apply, 337/316, Office of this Paper.

REQUIRED, two Representatives, one to cover Bristol and district, the other covering Bradford, Leeds and Sheffield area, by distributors of high-grade medical specialities; sales and medical propaganda experience essential; salary, commission and travelling expenses. Reply, giving full particulars of experience, age, and enclose photograph (which will be returned); state if car owner. 337/323, Office of this Paper.

SALES Representative required for Midland Counties in general requirements to Veterinary profession; connexion essential. Apply 336/285, Office of this Paper.

THE MAKERS OF CALIFORNIAN POPPY PERFUME AND TOILET REQUISITES require a Representative to cover the Northern Counties and Northern Ireland. Applications will be considered only from travelling Salesmen between 25 and 30 years of age, of good education and appearance, and preferably with experience in a similar trade. Apply by letter only, giving age, education, full details of experience and remuneration earned, to Proprietary Perfumes, Limited, 35A Southwark Park Road, London, S.E.16.

TRAVELLERS with good connexions among Manufacturing Confectioners and mineral water makers are required throughout the United Kingdom by old-established makers of flavouring essences; salary, expenses and commission. Write in confidence with references, and state ground covered. 337/317, Office of this Paper.

#### SITUATIONS WANTED

#### · RETAIL (HOME)

2s. for 18 words or less; Id. for every additional word, prepaid. (Box No., Is. extra.)

A.A.A.—Birmingham, Unqualified, married; experienced Dis-worker; sound references; desires change in or near City; good-class Pharmacy; used to management. Apply, 92/13, Office of

THOROUGHLY experienced Qualified man (30) seeks post; single; well educated; could probably arrange early release. 93/34, Office of this Paper.

A.—Unqualified Assistant (40), married, desires engagement, with or without living accommodation; experienced Dispenser, Counter, Window-dressing; now free. T. S., 18 Wharfedale Gardens, Thornton Heath, Croydon, Surrey.

 $\mathbf{A}^{\mathrm{S}}$  Manager (Qualified); permanency; relief or part-time; good all-round experience; references. Davies, 164 Clapham Road. Reliance 2741.

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A SSISTANT, Unregistered (fortyish), very active, seeks sound permanency; really capable and very experienced in good-class Dispensing businesses; London, Seaside and Country (Agricultural); capable Dispensing, Counter, Windows, Photo, Autoclave Sterilisation, some Optics; free one month. A. C. R., c/o Wm. Challice, Ltd., Chemists, Hayling Island, Hants.

CAPABLE Young Pharmacist, excellent references, requires good responsible position; anywhere. Please supply full particulars, Kewley, Spring Grove, Marsden, Huddersfield.

EXPERIENCED Assistant desires engagement, married, with or without living accommodation; any district. Andrews, 509 Christchurch Road, Boscombe, Bournemouth.

 $E^{\rm XPERIENCED\ Senior\ Toilet\ Assistant\ requires\ change;\ recommended;\ selling\ ability;\ knowledge\ of\ all\ leading\ Cosmetiques;\ excellent\ Demonstrator.\ 106\ Stanhope\ Drive,\ Horsforth,\ Leeds.}$ 

HOWEVER you may be situated now, we venture to prophesy that many situations will arise during 1939 when you will want The Chemist and Druggist and THE CHEMIST AND DRUGGIST DIARY AND YEAR-BOOK. If you are not already a subscriber, send your order to-day. Tweuty shillings will secure THE DIARY for 1939 and the C. & D. every week for a year. Remittance later.

ADY desires Christmas post; 13 years Counter, Dispensing, etc.; London or fairly near preferred; free for engagement now. 22 Earlsdon Avenue, Coventry.

L ADY Dispenser (Hall), requires position; first-aid certificates; Surgery or Shop; good testimonials. D. Stead, 10 Edmund Road, Hastings.

ADY Dispenser (Hall) requires post with Doctor, Chemist or Institution; experienced; good references. S. B., G.F.S. Hostel, Bath, Somerset.

LADY M.P.S. is desirous of Part-time or Locum position; London or inner suburbs only; available any day up to about 4 o'clock; Hospital preferred. E. B., 24 Coram Street,

MANAGER or Assistant (27), married; London district; all-round experience; free now. 93/18, Office of this Paper.

 $M^{\rm ANAGER}$  or Locum (38), many years' best all-round experience; well recommended; free now; any district. 93/47, Office of this Paper.

 $M^{\rm ANAGER}$  or Superintendent in London district; elderly but active and reliable; moderate salary. Apply, 93/36, Office of this Paper.

M. ANAGER, Qualified, with exceptional experience as Business Builder; keen, active, hard worker; desires Management where conscientions service and all-round ability will secure progressive remuneration; can be free at short notice; excellent references. 93/43, Office of this Paper.

M.P.S. (age 23 years), requires permanency; Retail and 22 Clitheroc Road, S.W.9.

M.P.S., F.B.O.A., O.B.A.C., middle-aged, ex-proprietor, de experience; expert Refractionist; good Prescriber. 93/30, Office of this Paper.

M.P.S., F.S.M.C., O.B.A.C., J.C.Q.O. (24), single, desires chester; experienced both branches; free November 23. "Chemist-Optician," 329 Lees Road, Oldham.

M.P.S. (male, 23), desires situation, home or abroad, tem-ence. White, 44 Athelstan Road, Margate.

M.P.S. (23), disengaged, 5 years' all-round experience, Window-dressing, Counter, Toilets, Photography, Dispensing, requires situation in London; will call for interview. 93/25, Office of this Paper.

M.P.S. (40), late own business, seeks position as Organiser, Manager, Locum, Stocktaker; has greatly improved several neglected businesses; good Window-dresser; free when required. Write or wire, Chemist, c/o 37 Foots Cray Lane, Sideup, Kent.

PHARMACIST (27), free, requires position as Manager or Assistant; Loudon or suburbs; good general experience. 14A Albert Bridge Road, S.W.11.

QUALIFIED Assistant (24), desires engagement, home or abroad; good references; salary moderate, free. Richards, Cambrian, Tanygrisiau, Blaenau Festiniog.

UALIFIED Lady, experienced Dispensing, Counter and General Retail, capable of taking charge, requires permanency; London area preferred. 92/1, Office of this Paper.

QUALIFIED Lady (23), free January; South preferred. "Chemist," 20 Somers Road, Reigate, Surrey.

QUALIFIED, London (23), free, wants position, anywhere; excellent experience; desires take Optics. Apply 28 Whalley Avenue, Penkhull, Stoke-on-Trent.

UALIFIED, male (28), single, requires post in good-class business; excellent all-round experience, especially Dispensing; free now. 93/17, Office of this Paper.

UALIFIED (50) desires position as Manager; well up in all branches of Pharmacy; South-Eastern Counties preferred. 93/28, Office of this Paper.

QUALIFIED (23) requires post; preferably South; excellent references; middle- and high-class experience. Davies, 100 Francis Avenue, Southsea.

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m R}^{
m EGISTERED}$  Pharmacist (age 48), active; seeks post as Manager or Superintendent; last post as Superintendent 15 years; free now. Nelson, 7 Mount Crescent, Malton, Yorks.

UNQUALIFIED Lady Assistant (19), competent Dispenser, good Window-dresser; 5 years' experience; Sheffield district preferred. M. Hargrave, 31 Allan Street, Rotherham.

UNQUALIFIED, male (30), quick Dispenser; smart at Counter, Window-dresser; disengaged; Permanency or Locum; London. Jacobson, 147 Walm Lane, N.W.2. Gladstone 6218.

#### LOCUMS SEEKING ENGAGEMENTS

CHEMIST'S Assistant; West End experience; locum or permanency; Counter and Dispensing; disengaged November 19; good reference; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

IN difficulty or emergency, send for Baldwin, c/o 59 Heybridge Avenue, S.W.16; Uuqualified; fully experienced; accustomed to management.

UNQUALIFIED (21), accurate Dispenser, reliable all round experience; Locum or permanency; photographic; London. Parfitt, 12 Hermitage Lane, N.W.2.

YOUNG Qualified requires Locum or permanency; preferably North or Midlands, not essential; good Counter, Dispensing, photographic experience; references, 92/16, Office of this Paper.

#### NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

#### WHOLESALE

EXPERIENCED Traveller, with excellent London connexion, wishes to join established Proprietary House; excellent references and proof of very satisfactory orders; good experience of planning and supervising staff; would take financial interest in sound concern. 87/44, Office of this Paper.

FOR popular-priced Perfumery Manufacturers only; South Coast Traveller; splendid connexion (including Wholesale and Showmen); wants agency; own car. P.C.B. 300/17, Office of this Paper.

MANAGER, Unqualified, Retail (aged 35 years), would like to join reputable firm as Representative calling on Chemists; experienced traveller; smart appearance, trustworthy, married. 92/12, Office of this Paper.

REPRESENTATIVE, experienced Packed Goods, Dressings, Pharmaceuticals; commission basis; excellent references; Bristol and districts. 91/2, Office of this Paper.

REPRESENTATIVE, experienced (38); Qualified; resident Midlands; desires Midland or other territory; Medical, Chemists. 337/322, Office of this Paper.

REPRESENTATIVE requires position with Perfumery House; good connexion with Chemists, Stores, Haindressers; Yorkshire, Lancashire, Durham, Northumberland. P.C.B. 300/11, Office of this Paper.

SALES Manager, having successfully launched Proprietary, undertakes to successfully market any proprietary; high remuneration. Reply P.C.B. 300/22, Office of this Paper.

CIENTIFIC Representative (Qualified); 10 years with leading Manufacturing house; sound connexion Doctors and Chemists in London and Provinces; seeks similar appointment reputable firm. 92/4, Office of this Paper.

#### COLONIAL, INDIAN AND FOREIGN

PHARMACIST (30), well educated, with extensive experience, seeks progressive position, England or abroad, with reputable firms only; free December 1. 93/45, Office of this Paper.

#### FOR SALE

6s. for 36 words or less; Id. for every additional word prepaid. (Box No., Is. extra.)

"NATIONAL" Cash Register; medium size; adds takings; in perfect condition, but no longer needed; suit trade. Write W. Lane, 82 Hermitage Road, N.4.

#### SPOT CASH BUYER

- For: SURPLUS STOCKS, DISCONTINUED LINES.
  - MISCELLANEOUS GOODS, &c.

M. WINRABE, 22 ALDERSGATE ST., E.G.1

## THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped Id. the Chemist and Druggist Supplement will be forwarded without cost.

LOOSE STAMPS WILL NOT BE ACCEPTED

If wrappers bear a halfpenny stamp only, Postal delivery may be delayed.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

#### **MISCELLANEOUS**

10s. for 60 words or less; Is. for every additional 10 words or less, prepaid. (Box No., Is. extra.)

#### PHARMACY FITTINGS DIRECT FROM THE MAKERS

OUR NEW ILLUSTRATED CATALOGUE IS READY

DRUG RUNS, WALL CASES, COUNTERS, SCREENS, ETC., ETC. DESIGNS: FREE FOR INEXPENSIVE & EFFECTIVE SHOP FRONTS Write for your copy today:

"MYERS OF OLD STREET"
THE PHARMACY FITTERS

L. MYERS, 133-5 OLD STREET, E.C.I

CLE. 6381

CHEMISTS!—30 years' experience enables us to offer you inexpensive yet superior and more effective SHOPFRONTS, SHOWCASES, INTERIOR FIXTURES, ETC.; finest workmanship guaranteed; quality combined with speedy completion. GEORGE W. TITFORD & SON (20 years general foreman to Philip Josephs & Sons, Ltd.), 26A Gopsall Street, New North Road, London, N.1. Tel. Clerkenwell 2765.

FOR SALE.—Chemist Showcases and Counter, in medium oak, all in very good condition. For particulars apply Brainsby Properties, Ltd., 22 Priestgate, Peterborough.

FOR SALE.—Stock and Fittings of Chemist about to close down; dispensing screen, personal weighing machine, counter, utensils, drugs and patents, etc.; chemist about to open could save himself pounds. Apply, "Cera," 35 Linton Road, Hove.

TDEAL CHEMIST SHOP FIXTURES and Fittings, New, Secondary hand and Shop-soiled, to be selected from our varied stock, at advantageous prices. Carboys, Shop Rounds, Cash Registers, Tills, Safes, Dispensing and Personal Weighing Machines. Courteous attention will be afforded any inquiry, large or small. Your inspection is cordially invited. Send your requirements to RUDDUCK & CO., 219 Old Street, London, E.C.1.

#### 24 HOUR SHOWCARD SERVICE!

OWN WORDING, COLOURS, Etc. From 2s. dozen assorted. Send 6d. with short pencilled layout for post-free Sample, List, eight order forms and full particulars.

Speedy D. & P. Ltd., Shelford Place, N.16

COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our Showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting, Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and '16 Manchester Street, Liverpool. Est. 1848.

#### **EXCHANGE COLUMN**

#### WANTED

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